FACULTY OF BUILT ENVIRONMENT AND ENGINEERING

Courses

FACULTY OF BUILT ENVIRONMENT AND ENGINEERING

Course Structures

■ Master of Built Environment (BN73)

Location: Gardens Point campus

Entry Requirements

Applicants for admission to the masters program:

(i) shall hold a suitable degree or postgraduate qualification leading to eligibility for corporate membership of an accepted professional institute; or

(ii) shall hold qualifications approved by the Masters Degree Standing Committee on the recommendation of the Course Coordinator as equivalent to the requirements set out in paragraph (i) above; and

(iii) shall normally have at least three years of appropriate work experience.

The basic qualification and work experience will not be the sole requirement for admission. The Masters Degree Standing Committee may also take into account an applicant's performance as an undergraduate and a demonstrated commitment to the professional area.

PROJECT MANAGEMENT MAJOR

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Coordinator for Project Management Major: Mr Andrew Leicester

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 Master of Built Environment who are graduates of the Graduate Diploma in Project Management will complete the final two semesters of the course in order to be awarded the masters degree.

The Graduate Diploma in Project Management has majors in Building Project Management and Property Development. These areas are available as specialisations within the masters program.

BUILDING PROJECT MANAGEMENT SPECIALISATION

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNP417	Design Management	6	2
CNP426	Project Development*	6	2
CNP429	Cost Management & Economics*	6	2
CNP430	Current Issues*	9	3

* *Subject extends over two semesters.*

CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP434	Time Management 1	6	2

Year 1, Semester 2

CNP414	Time Management 2	6	2
CNP426	Project Development*	6	2
CNP429	Cost Management & Economics*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP437	Field Trip	12	5 days

Year 2, Semester 1

CNN442	Dissertation	48	4

Part-Time Course Structure

		Credit Points	Contact Hrs/Wk

Year 1, Semester 1

CNP417	Design Management	6	2
CNP429	Cost Management & Economics*	6	2
CNP431	Project Management*	6	2
CNP434	Time Management 1	6	2

Year 1, Semester 2

CNP414	Time Management 2	6	2
CNP429	Cost Management & Economics*	6	2
CNP431	Project Management*	6	2
CNP437	Field Trip	12	5 days

Year 2, Semester 1

CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2

Year 2, Semester 2

CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2

Year 3, Semester 1

CNN442	Dissertation*	24	2

Year 3, Semester 2

CNN442	Dissertation*	24	2

PROPERTY DEVELOPMENT SPECIALISATION

Full-time Course Structure

		Credit Points	Contact Hrs/Wk

Year 1, Semester 1

CNP422	Specialist Valuations	6	2
CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP438	Real Estate Investment Analysis*	6	2
CNP439	Property Management	6	2

* *Subject extends over two semesters.*

Year 1, Semester 2

CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP437	Field Trip	12	5 days
CNP438	Real Estate Investment Analysis*	6	2
CNP667	Applied Computing	6	2

Year 2, Semester 1

CNN442	Dissertation	48	4

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**

Year 1, Semester 1

CNP426	Project Development*	6	2
CNP431	Project Management*	6	2
CNP438	Real Estate Investment Analysis*	6	2
CNP439	Property Management	6	2

Year 1, Semester 2

CNP426	Project Development*	6	2
CNP431	Project Management*	6	2
CNP437	Field Trip	12	5 days
CNP438	Real Estate Investment Analysis*	6	2

Year 2, Semester 1

CNP422	Specialist Valuations	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2

Year 2, Semester 2

CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2
CNP667	Applied Computing	6	2

Year 3, Semester 1

CNN442	Dissertation*	24	2

Year 3, Semester 2

CNN442	Dissertation*	24	2

URBAN DESIGN MAJOR (AND GRADUATE DIPLOMA IN URBAN DESIGN [PL69])

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96 (for both Graduate Diploma and Masters)

Standard Credit Points/Full-Time Semester: 48

Coordinator for Urban Design Major: Dr Catherin Bull

* *Subject extends over two semesters.*

Entry Requirements

NORMAL ENTRY
1. To the Graduate Diploma:

A bachelor degree with a grade point average of 5 or better and demonstrated potential in a relevant professional activity, or a relevant graduate diploma with a grade point average of 5 or better, or a qualifying program with a grade point average of 5 or better.

2. To the Masters:

A grade point average of 5 or better in the Graduate Diploma in Urban Design at the completion of one semester full-time or two semesters part-time.

Relevant professional activity normally means the areas of Architecture, Planning and Landscape Architecture.

PROVISIONAL ENTRY
Applicants with other than normal entry requirements may be registered provisionally in the course if they submit other evidence of academic and professional attainment and candidature is approved by the Masters Degree Standing Committee on the recommendation of the Course Coordinator.

A person provisionally enrolled is required to satisfactorily undertake a qualifying program which may include course subjects, and/or such other work as is determined before admission is confirmed. Provisional registration in the course will apply for a maximum period of 12 months for both full-time and part-time students.

Graduate Diploma - Masters Level Articulation

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of one semester for full-time students and at the completion of two semesters for those studying part-time, students will be considered for enrolment in the Masters in Urban Design. A grade point average of 5 or better in the course is normally required for progression to the Masters level.

Focus in Graduate Diploma and Masters

The Graduate Diploma focusses on skills and knowledge development through set coursework and elective coursework.

The Masters includes skills and knowledge development through set coursework in common with the Graduate Diploma, but also requires individual research and the writing of a dissertation.

Full-Time Course Structure (All subjects are for both Graduate Diploma and Masters students except as noted.)		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNP439	Property Management	6	2
IFN001	Advanced Information Retrieval Skills	4	1
PLN101	Urban Design Analysis Studio	8	3
PLN103	Urban Design Conjecture Studio	8	3
PLN105	Urban Design Field Studies	2	10 days
PLN114	Applied Research Techniques*	4	1
PLN201	Urban Design History of Urban Systems	4	1
PLN204	Urban Design Theory & Criticism	4	1
PLN402	Law & Legislation in Urban Design	4	1
PLN701	Urban Design Elective 1+	4	1

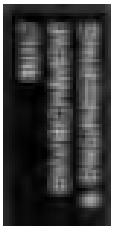
* *Masters students only.*

\+ *Graduate Diploma students only.*

PLP216	Computer Aided Data Analysis A	2	1
PLP511	Environmental Psychology	4	2

Year 1, Semester 2

PLN102	Urban Design Context Studio	8	3
PLN302	Urban Landscape	4	1
PLN304	Urban Services & Functions	4	1
PLN401	Computer Applications in Urban Design	4	2
PLN501	Urban Design Research Dissertation*	24	4
PLN702	Urban Design Elective 2+	24	4 - 8
PLP505	Conservation Theory	3	1



Part-Time Course Structure
(All subjects are for both Graduate Diploma and Masters students except as noted.)

Year 1, Semester 1

IFN001	Advanced Information Retrieval Skills	4	1
PLN101	Urban Design Analysis Studio	8	3
PLN201	Urban Design History of Urban Systems	4	1
PLN402	Law & Legislation in Urban Design	4	1
PLP216	Computer Aided Data Analysis A	2	1
PLP511	Environmental Psychology	4	2

Year 1, Semester 2

CNP439	Property Management	6	2
PLN103	Urban Design Conjecture Studio	8	3
PLN105	Urban Design Field Studies	2	10 days
PLN114	Applied Research Techniques*	4	1
PLN204	Urban Design Theory & Criticism	4	1
PLN701	Urban Design Elective 1+	4	1

Year 2, Semester 1

PLN102	Urban Design Context Studio	8	3
PLN302	Urban Landscape	4	1
PLN304	Urban Services & Functions	4	1
PLN401	Computer Applications in Urban Design	4	2
PLP505	Conservation Theory	3	1

Year 2, Semester 2

PLN501	Urban Design Research Dissertation*	24	4
PLN702	Urban Design Elective 2+	24	4 - 8

CITY AND REGIONAL PLANNING MAJOR

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Coordinator for City and Regional Planning Major: Associate Professor Phil Heywood

Entry Requirements

Applicants for admission should:

(i) hold a Graduate Diploma in Urban and Regional Planning from QUT; or

* *Masters students only.*

\+ *Graduate Diploma students only.*

(ii) hold a professional planning degree or diploma from a recognised university, college of advanced education, or approved equivalent tertiary institution; and

(iii) have attained a level of achievement in previous studies which attests to the applicant's ability to undertake successfully a masters program in the field of City and Regional Planning.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
PLN111	Comparative Planning Theory	8	2
PLN112	Concentration Studies	8	2
PLN113	Option Projects	12	3
PLN114	Applied Research Techniques	4	1
PLN115	Metropolitan Planning Practice & Law	16	3
Year 1, Semester 2			
PLN121	Planning Thesis	24	2
PLN122	Professional Seminars	8	2
PLN123	Planning in Developing Countries	8	2
PLN124	Option Course	8	2

Part-Time Course Structure

Year 1, Semester 1			
PLN111	Comparative Planning Theory	8	2
PLN115	Metropolitan Planning Practice & Law	16	3
Year 1, Semester 2			
PLN122	Professional Seminars	8	2
PLN123	Planning in Developing Countries	8	2
PLN124	Option Course	8	2
Year 2, Semester 1			
PLN112	Concentration Studies	8	2
PLN113	Option Projects	12	3
PLN114	Applied Research Techniques	4	1
Year 2, Semester 2			
PLN121	Planning Thesis	24	2

LANDSCAPE ARCHITECTURE MAJOR

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Coordinator for Landscape Architecture Major: Dr Catherin Bull

Entry Requirements

Applicants for admission shall:

(i) hold the Graduate Diploma in Landscape Architecture from QUT with a grade point average of 5 or better or an equivalent qualification, and

(ii) have demonstrated potential through relevant professional activities to participate actively in a Masters program.

In addition, as part of the documentation for application, each applicant is required to submit:

(i) a written statement identifying the specialised area of study to be pursued (as a means of defining potential areas of concentrations and of giving a preliminary indication of the Dissertation topic) and the contribution the applicant intends to make to the course and the profession by undertaking the particular focus of study; and

(ii) a folio in A4 or A3 format demonstrating the applicant's professional experience and expertise.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
IFN001	Advanced Information Retrieval Skills	4	1
PLN250	Masters Studio	12	3
PLN251	Advanced Practice 1	4	1
PLN253	Practice Seminar	6	2
PLN255	Designated Studies	6	2
PLN256	Concentration Studies	8	2
PLN257	Research Method	4	1
	Elective	6	2
Year 1, Semester 2			
PLN252	Advanced Practice 2	8	2
PLN254	Professional Seminars	8	2
PLN258	Dissertation	24	4
	Elective	8	2

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
IFN001	Advanced Information Retrieval Skills	4	1
PLN250	Masters Studio	12	3
PLN251	Advanced Practice 1	4	1
PLN255	Designated Studies	6	2
Year 1, Semester 2			
PLN252	Advanced Practice 2	8	2
PLN254	Professional Seminars	8	2
	Elective	8	2
Year 2, Semester 1			
PLN253	Practice Seminar	6	2
PLN255	Designated Studies	6	2
PLN256	Concentration Studies	8	2
PLN257	Research Method	4	1
Year 2, Semester 2			
PLN258	Dissertation	24	4

Note: Regarding Elective - students elect subjects outside their Major in areas such as environmental law, marketing, management, business, politics, economics, health, and safety in order to extend their knowledge and skills into related areas.

Master of Engineering Science (Civil Engineering) (CE74)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Brian Rigden

Entry Requirements

Entrants to the masters degree program must either:

(i) have obtained a Bachelor of Engineering degree with honours in Civil Engineering, or

(ii) have obtained a Graduate Diploma in Municipal Engineering with a grade point average of at least 5.

Where entrants do not have honours ranking in their Bachelor of Engineering (Civil) degree and/or have not undertaken subjects equivalent to the available QUT undergraduate subjects in their chosen area of study, the Head of School may require that additional undergraduate subjects be undertaken.

Entrants may transfer from the Graduate Diploma in Municipal Engineering with a grade point average of at least 5 after completion of at least 50 per cent of the coursework for the Graduate Diploma.

Course Structure

The course consists of 20 credit points (5 semester hours) of core subjects plus 40 credit points (10 semester hours) of electives plus a project equivalent to 8 semester hours. The project comprises 35 percent of the content of the course. The subject CEP999 is a multi-semester subject with a combined value of 36 credit points, or over two semesters at 18 credit points per semester.

Graduates who have completed the prescribed subjects for a major theme will have their award cetificates endorsed - "Majoring in ...".

Core Structure		Credit Points	Contact Hrs/Wk
Subjects are generally offered in alternate years			
CEP131	Engineering Management & Administration*	12	3
CEP200	Process Modelling+	8	2
CEP999	Project*+	36	4
	OR		
CEP998	Project B*+	20	5
Electives			
CEP107	Construction Management & Economics*	8	2
CEP109	Municipal Law & Regulations+	8	2
CEP127	Road & Traffic Engineering*	12	3
CEP128	Municipal Engineering Planning*	12	3
CEP172	Water Quality Engineering*	8	2
CEP174	Public Health Engineering Practice*	12	3
CEP215	Advanced Traffic Engineering+	8	2

* *Subject offered in Semester 1.*

\+ *Subject offered in Semester 2.*

CEP218	Transportation Engineering*	12	3
CEP276	Advanced Treatment Processes+	8	2
CEP277	Waste Management+	12	3
CEP290	Environmental Law & Assessment+	8	2
CEP310	Urban Transportation Planning+	8	2
CEP361	Drainage Engineering+	8	2
CHP691	Environmental Chemistry*	8	3

Prescribed subjects for major themes		**Credit Points**
ENVIRONMENTAL ENGINEERING		
CEP131	Engineering Management & Administration	12
CEP172	Water Quality Engineering	8
CEP200	Process Modelling	8
CEP277	Waste Management	12
CEP290	Environmental Law & Assessment	8
CHP691	Environmental Chemistry	8
CEP998	Project B	20
	AND EITHER	
CEP174	Public Health Engineering Practice	12
	TOGETHER WITH	
CEP276	Advanced Treatment Processes	8
	OR	
CEP128	Municipal Engineering Planning	12
	together with either	
CEP310	Urban Transport Planning	8
	OR	
CEP361	Drainage Engineering	8
		96
LOCAL GOVERNMENT ENGINEERING		
CEP107	Construction Management & Economics	8
CEP127	Road & Traffic Engineering	12
CEP128	Municipal Engineering Planning	12
CEP131	Engineering Management & Administration	12
CEP200	Process Modelling	8
	PLUS EITHER	
CEP999	Project	36
	AND ONE OF	
CEP109	Municipal Law & Regulation	8
CEP361	Drainage Engineering	8
	OR	
CEP290	Environmental Law & Assessment	8
	OR	
CEP998	Project B	20
	PLUS	
CEP109	Municipal Law & Regulation	8
	TOGETHER WITH	
CEP361	Drainage Engineering	8
	AND	
CEP290	Environmental Law & Assessment	8
		96

* *Subject offered in Semester 1.*

\+ *Subject offered in Semester 2.*

PUBLIC HEALTH ENGINEERING

CEP131	Engineering Management & Administration	12
CEP172	Water Quality Engineering	8
CEP174	Public Health Engineering Practice	12
CEP200	Process Modelling	8
CEP276	Advanced Treatment Processes	8
CEP277	Waste Management	12
CEP999	Project	36
		96

TRANSPORTATION ENGINEERING

CEP131	Engineering Management & Administration	12
CEP127	Road & Traffic Engineering	12
CEP200	Process Modelling	8
CEP215	Advanced Traffic Engineering	8
CEP218	Transportation Engineering	12
CEP999	Project	36
	AND EITHER	
CEP310	Urban Transport Planning	8
	OR	
CEP361	Drainage Engineering	8
		96

Master of Engineering Science (Computer Engineering) (EE75)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Paul Wilson

Entry Requirements

(i) A Bachelor's degree in Engineering with at least second class honours, or

(ii) Students in possession of a Bachelor's degree in Engineering may transfer from the Graduate Diploma in Computer Engineering with a grade point average of at least 5 (credit level) at the end of the first part-time year.

(iii) Graduates from the Graduate Diploma in Automatic Control or Computer Controlled Systems or Computer Engineering with a grade point average of 5 or greater and with a Bachelor's degree in Engineering can complete the Master of Engineering Science by completing the research project and thesis.

Methods of Assessment

The course is assessed 50 per cent by coursework and 50 per cent by thesis.

The coursework consists of the four compulsory subjects of the Graduate Diploma in Computer Engineering. Assessment of these subjects usually includes a written formal examination and may include formal assignments in problem solving and design, formal

laboratory reports, construction of computer programs, individual laboratory investigation/project, oral examinations, dissertations.

The thesis must be examined and accepted by one internal and one external examiner.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
EEP102	Unix & C for Engineering	12	3
EEP104	Realtime Operating Systems	12	3
Semester 2			
EEP101	Algorithms for Control & Signal Processing	12	3
EEP103	Computer Hardware & Interfacing	12	3
EEP300	Research Project*	24	-

Part-Time Course Structure

Consult the Course Coordinator for details.

Master of Engineering (BN72)

Location: Gardens Point campus

Introduction

The objectives of the program are:

- to provide for postgraduate educational opportunities in design, investigation, development, research or any combination thereof, directly related to professional engineering practice
- to provide for increased relationships between the University and industry or other external agencies involved in engineering to their mutual advantage, and
- to provide formal recognition of work of an advanced and/or original nature.

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 Research Management Committee which is a subcommittee of Academic Committee.

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

1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Master's Degree Standing Committee. The program is offered in Civil, Electrical and Electronic Systems and Mechanical and Manufacturing Engineering.

1.5 In order to qualify for the award of the degree of Master of Engineering a candidate must:

* *Subject extends over two semesters.*

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

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 between acceptance by the Master's Degree Standing Committee and enrolment by the student in the Master of Engineering before the offer of admission to the program lapses.

2.4 Normal admission will require the candidate to have at least an Honours 2A degree in a bachelor degree in Engineering from the Queensland University of Technology or a qualification judged equivalent by the Faculty Academic Board.

Entry to the program may be allowed by candidates without an Honours 2A degree if the following requirements are met:

(i) three years' professional experience in the general field in which the proposed work lies; or

(ii) satisfactory completion of an appropriate master's qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty of Built Environment and Engineering Academic Board;* or

(iii) the submission of technical publications or other appropriate evidence which satisfies the Academic Board that advanced knowledge has been acquired in a division of engineering in which the applicant has worked as a professional engineer in a position of responsibility. This knowledge should be relevant to the field of study proposed.

2.5 A candidate shall be registered initially as:

- a graduate student (provisional) if he/she is to undertake an appropriate qualifying program
- a graduate student if he/she is considered by the Academic Board to meet the requirements for entry.

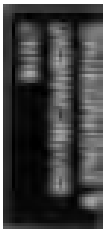
2.6 In considering an applicant for registration, the Academic Board shall, in addition to assessing the applicant's suitability, be satisfied that:

- the proposed program is relevant to the aims and objectives of the University
- the proposed program has relevance to the needs of industry, and
- the applicant can devote sufficient time to his/her planned program.

* *Pending satisfactory completion of the qualifying program provisional status will be applied to the candidate.*

2.7 The program is offered on a full-time and/or a part-time basis. Part-time students normally are employed in some professional engineering capacity during the day and carry out their projects on a part-time basis at QUT or in their place of employment or in a sponsoring organisation.

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



2.9 The Academic Board may cancel a candidate's registration if after consulting a candidate's supervisors and having taken account of all relevant circumstances, the Academic Board is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.10 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 Academic Board shall prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Engineering will undertake necessary project work in design, investigation and research and/or development work on a topic approved by the Academic Board.

3.2 All projects should be sponsored 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 the projects be primarily directed towards industry need.

3.3 Where advised*, a candidate may be required to complete satisfactorily formal coursework in subjects relevant to the field of study up to a total class contact of 48 credit points.

3.4 The supervisor shall require students to participate in graduate seminars and may require them to attend specialist lectures. Students will be encouraged to attend conferences, where these are related to the field of the project.

3.5 The course of study normally includes:

- 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 and investigation.

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 students present critical studies of selected problems within the subject field

* *As a qualifying program.*

- as independent study or reading courses, or
- as research projects conducted under faculty supervision.

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 The following documents should be lodged with the application:

- details of academic qualifications and supporting evidence, including copies of results for each year of courses
- a brief account of industrial experience
- a list of publications
- a summary of the work to be undertaken in the proposed program, where this work will be undertaken, the amount of time which will be devoted to it, the resources required
- sponsorship details
- statement of approval by Head of School, and
- any other relevant material.

4. Period of Time for Completion of Course Study

4.1 The duration of study for students with four years of relevant study at tertiary level will normally be one year of full-time study or the part-time equivalent.

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

Time limits are measured in calendar years from the first day of the first semester in which the student enrolled. Periods of exclusion or absence with or without approval are included.

Students who exceed these limits may be asked to show cause why they should not be excluded from further enrolment in the course.

Students are notified of exclusion by registered mail. They have right of appeal to the Academic Appeals Committee.

5. Supervision

5.1 The Academic Board shall appoint one or more supervisors in respect of each candidate, provided that, where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and others as Associate Supervisors.

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

5.3 Candidates shall present six-monthly progress reports to their Principal Supervisor, who will submit these to the Academic Board with comments.

6. Place and Conditions of Work

6.1 The research program must normally be carried out under supervision in Australia.

6.2 The Academic Board shall not admit a candidate unless it has received:

- a supporting statement from the head of the QUT school supervising the program that in his/her opinion, the applicant is a suitable person to undertake a research

program leading to the master degree, that he/she supports the program, and that the school is willing to undertake the responsibility of supervising the work of the applicant, and

- a supporting statement from the employer, stating that he/she is aware of the course rules and is prepared to sponsor and support the applicant. The employer should also state the extent of facilities available for the project, the extent to which supervision could be given for this work and the extent to which time will be made available to the applicant for the project.

7. Thesis

7.1 In the form of presentation, the thesis shall comply with all the requirements of the document *Requirements for Presenting Theses*.

7.2 No later than six months after confirmed registration, students shall submit the title of their thesis for approval by the Academic Board, and after approval has been granted, no change will be made except with the permission of the Academic Board.

7.3 The candidate shall give two months' written notice of intention to submit his/her thesis.

7.4 The thesis shall comply with the following requirements:

- a significant proportion of the work described (as determined by the Academic Board) must have been completed subsequent to initial registration for the master degree
- there must be an advanced and/or original contribution to the knowledge of the subject
- it must reach a satisfactory standard of literary presentation
- it shall be the student's own account of the work. Where work is carried out conjointly with other persons, the Academic Board shall be advised as to the extent of the student's contribution to the joint work
- the thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award, and
- 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.

7.5 Except with the specific permission of the Academic Board 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 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 Research Management 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.

8. Examination of Thesis

8.1 The Academic Board shall appoint three examiners, of whom at least two 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 On receipt of the reports from the examiners, the Academic Board shall:

(i) recommend that the thesis be accepted without modification, or

(ii) recommend to Academic Committee that the student be awarded a Master of Engineering degree, after any minor amendments requested by the examiners have been made; or

(iii) permit the student to resubmit the revised thesis for re-examination within one year, or

(iv) cancel the student's registration.

8.4 If the examiners' reports are conflicting, the Academic Board may, after appropriate consultation with the Principal Supervisor, resubmit the thesis to the examiners with copies of the examiners' reports. After due consideration of further reports from the examiners, a majority decision will be accepted by the Board.

■ Graduate Diploma in Computer Engineering (EE65)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Paul Wilson

Entry Requirements

To be eligible for admission an applicant must hold a Bachelor's degree in Engineering or Computer Science.

Applicants possessing a degree in other areas of technology such as Mathematics, Physics or Chemistry may be required to undertake prerequisite subjects at undergraduate level.

Course Structure		Credit Points	Contact Hrs/Wk
Eight subjects of 3 hours and 12 credit points each:			
Year 1 - Elective Subjects			
Year 1, Semester 1			
EEP102	Unix & C for Engineering	12	3
EEP104	Realtime Operating Systems	12	3
Year 1, Semester 2			
EEP101	Algorithms for Control & Signal Processing	12	3
EEP103	Computer Hardware & Interfacing	12	3

Years 2 - Elective Subjects*
Year 2, Semester 1

Select two subjects from the following three:

EEP122	Graphics & Computer Vision	12	3
EEP123	Process Control & Robotics	12	3
EEP124	Data Communications	12	3

Year 2, Semester 2

Select two subjects from the following three:

EEP120	Networks & Distributed Computing	12	3
EEP121	Parallel & Super Computing	12	3
EEP125	Advanced Engineering Software Tools	12	3

Graduate Diploma in Industrial Design (AR61)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Vesna Popovic

Entry Requirements

To be eligible for admission, an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution, or

(ii) have attained professional recognition by an equivalent course of study or examination.

Professional Recognition

The Graduate Diploma in Industrial Design has been accredited by the Design Institute of Australia (DIA). Graduates are eligible for Associate membership upon graduation.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
ARP613	Advanced Ergonomics 1	2	1
ARP642	Case Studies	4	2
ARP671	History, Theory & Criticism of Industrial Design	2	1
ARP672	Industrial Design 1	16	6
ARP674	Industrial Design Research 1	20	8
ARP676	Advanced CAD for Industrial Designers 1	4	2
Semester 2			
ARP623	Advanced Ergonomics 2	4	2
ARP652	Design Management & Decision Theory	2	1
ARP653	Professional Practice	2	1
ARP673	Industrial Design 2	16	6
ARP675	Industrial Design Research 2	20	8
ARP677	Advanced CAD for Industrial Designers 2	4	2

* *The School reserves the right to cancel any Elective which has insufficient enrolment.*

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ARP613	Advanced Ergonomics 1	2	1
ARP671	History, Theory & Criticism of Industrial Design	2	1
ARP672	Industrial Design 1	16	6
ARP676	Advanced CAD for Industrial Designers 1	4	2
Year 1, Semester 2			
ARP623	Advanced Ergonomics 2	4	2
ARP673	Industrial Design 2	16	6
ARP677	Advanced CAD for Industrial Designers 2	4	2
Year 2, Semester 1			
ARP642	Case Studies	4	2
ARP674	Industrial Design Research 1	20	8
Year 2, Semester 2			
ARP652	Design Management & Decision Theory	2	1
ARP653	Professional Practice	2	1
ARP675	Industrial Design Research 2	20	8

Graduate Diploma in Interior Design (AR62)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Peter Hedley

Entry Requirements

To be eligible for admission, an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution; and

(ii) have attained professional recognition by an equivalent course of study or examination.

Professional Recognition

The Graduate Diploma in Interior Design is fully accredited by the Design Institute of Australia.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
ARP501	Introduction to Facilities Management	8	2
ARP502	Environmental Communications	16	6
ARP504	Professional Practice & Management for Interior Designers 1	11	3
ARP601	Film, TV & Design for Theatre	13	5

Semester 2

ARP503	Workplace Design	18	6
ARP505	Professional Practice & Management for Interior Designers 2	4	2
ARP600	Building Evaluation & Brief Development	8	2
ARP604	Conservation of Historic Interiors	18	6

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ARP502	Environmental Communications	16	6
ARP504	Professional Practice & Management for Interior Designers 1	11	3
Year 1, Semester 2			
ARP503	Workplace Design	18	6
ARP505	Professional Practice & Management for Interior Designers 2	4	2
Year 2, Semester 1			
ARP501	Introduction to Facilities Management	8	2
ARP601	Film, TV & Design for Theatre	13	5
Year 2, Semester 2			
ARP600	Building Evaluation & Brief Development	8	2
ARP604	Conservation of Historic Interiors	18	6

■ Graduate Diploma in Landscape Architecture (PL66)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr George Williams

Entry Requirements

To be eligible for normal admission, an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution; or

(ii) have attained professional recognition by a course of study or examination.

Special entry provisions also apply. All applicants are required to have appropriate skills and knowledge in basic design/perception, free-hand drawing and technical drawing prior to enrolment.

Graduates of the Bachelor of Built Environment (Landscape Architecture Major) are granted exemption from Year 1 (full-time) or Years 1 and 2 (part-time). Students from other backgrounds will be granted exemptions as appropriate to their experience.

Professional Recognition

The Graduate Diploma in Landscape Architecture is accredited by the Australian Institute of Landscape Architects.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COP113	Oral Communication Skills	2	1
COP114	Report Preparation	2	1
LSP512	Introduction to Plant Science	4	2
PLP501	Theory of Site Planning	2	1
PLP506	User & Character Design Studies	8	3
PLP508	Introduction to Practice	4	2
PLP511	Environmental Psychology	4	2
PLP513	Introduction to Plant Ecology	4	2
PLP516	Visual Communication - Graphics	6	3
PLP521	Map & Air Photo Interpretation	4	1
PLP522	Measurement of Sites	2	1
PLP523	Landscape Construction 1	6	3
Year 1, Semester 2			
PLP502	Site Planning Techniques	2	1
PLP503	History of Landscape Design	2	1
PLP504	Planting Design	3	1
PLP505	Conservation Theory	3	1
PLP507	Site Planning	9	3
PLP509	Quantities & Costs	2	1
PLP510	Introduction to Law	2	1
PLP514	Landscape Ecology	9	3
PLP515	Impacts & Assessment	4	2
PLP520	Landscape Graphics	4	2
Year 2, Semester 1			
PLP202	Residential Landscape Design	8	3
PLP203	Urban Landscape Design	10	3
PLP206	Forum/Workshop A	2	1
PLP209	Advanced Landscape Ecology	2	1
PLP210	Landscape Management A	10	4
PLP212	Advanced Graphics	4	2
PLP213	Advanced Landscape Construction	8	3
PLP215	School Field Trip*	2	7-10 days
PLP216	Computer Aided Data Analysis A	2	1
Year 2, Semester 2			
PLP201	Cultural Values	4	1
PLP204	Landscape Planning	10	4
PLP205	Landscape Design	10	3
PLP207	Forum/Workshop B	2	1
PLP208	Landscape Practice	6	2
PLP211	Landscape Management B	10	4
PLP214	Landscape Engineering	4	2
PLP217	Computer Aided Data Analysis B	2	1

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
LSP512	Introduction to Plant Science	4	2
PLP508	Introduction to Practice	4	2
PLP513	Introduction to Plant Ecology	4	2
PLP516	Visual Communication - Graphics	6	3
PLP521	Map & Air Photo Interpretation	4	1
PLP522	Measurement of Sites	2	1

* *Field trip may be conducted in Year 2, Semester 2.*

Year 1, Semester 2

PLP503	History of Landscape Design	2	1
PLP504	Planting Design	3	1
PLP509	Quantities & Costs	2	1
PLP510	Introduction to Law	2	1
PLP514	Landscape Ecology	9	3
PLP520	Landscape Graphics	6	2

Year 2, Semester 1

COP113	Oral Communication Skills	2	1
COP114	Report Preparation	2	1
PLP501	Theory of Site Planning	2	1
PLP506	User & Character Design Studies	8	3
PLP511	Environmental Psychology	4	2
PLP523	Landscape Construction 1	6	3

Year 2, Semester 2

PLP502	Site Planning Techniques	2	1
PLP505	Conservation Theory	3	1
PLP507	Site Planning	9	3
PLP515	Impacts & Assessment	4	2
PLP524	Landscape Construction 2	6	3

Year 3, Semester 1

PLP202	Residential Landscape Design	8	3
PLP206	Forum/Workshop A	2	1
PLP212	Advanced Graphics	4	2
PLP213	Advanced Landscape Construction	8	3
PLP216	Computer Aided Data Analysis A	2	1

Year 3, Semester 2

PLP204	Landscape Planning	10	4
PLP207	Forum/Workshop B	2	1
PLP211	Landscape Management B	10	4
PLP217	Computer Aided Data Analysis B	2	1

Year 4, Semester 1

PLP203	Urban Landscape Design	10	3
PLP209	Advanced Landscape Ecology	2	1
PLP210	Landscape Management A	10	4
PLP215	School Field Trip*	2	7-10 days

Year 4, Semester 2

PLP201	Cultural Values	4	1
PLP205	Landscape Design	10	3
PLP208	Landscape Practice	6	2
PLP214	Landscape Engineering	4	2

■ Graduate Diploma in Municipal Engineering (CE63)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Brian Rigden

* *Field trip may be conducted in Year 3, Semester 2 or Year 4, Semester 2.*

Entry Requirements

NORMAL ENTRY
To be eligible for admission an applicant must hold an acceptable qualification in engineering from a recognised tertiary institution.

QUALIFYING ENTRY
Applicants who do not meet the requirements for normal entry but who hold a tertiary qualification in a technological field or other equivalent qualifications or hold professional engineering recognition may be required to complete such prerequisite engineering subjects as may be determined by the Head of the School of Civil Engineering prior to enrolment in the course.

Course Structure

The course consists of 48 credit points (13 semester hours) of core material and 48 credit points (10 semester hours) of elective material.

Graduates who have completed the prescribed subjects for a major theme will have their award cetificates endorsed - "Majoring in ...".

		Credit Points	Contact Hrs/Wk
Core Subjects			
Subjects are generally offered in alternate years.			
CEP128	Municipal Engineering Planning*	12	3
CEP131	Engineering Management & Administration*	12	3
CEP200	Process Modelling+	8	2
CEP361	Drainage Engineering+	8	2
CEP491	Municipal Engineering Practice*+	16	3
Electives			
CEP107	Construction Management & Economics*	8	2
CEP109	Municipal Law & Regulations+	8	2
CEP127	Road & Traffic Engineering*	12	3
CEP172	Water Quality Engineering*	8	2
CEP174	Public Health Engineering Practice*	12	3
CEP215	Advanced Traffic Engineering+	8	2
CEP218	Transportation Engineering*	12	3
CEP276	Advanced Treatment Processes+	8	2
CEP277	Waste Management+	12	3
CEP290	Environmental Law & Assessment+	8	2
CEP310	Urban Transportation Planning+	8	2
CHP691	Environmental Chemistry*	8	3

Prescribed subjects for major themes		**Credit Points**	**Contact Hrs/Wk**
ENVIRONMENTAL ENGINEERING			
CEP128	Municipal Engineering Planning	12	3
CEP131	Engineering Management & Administration	12	3
CEP172	Water Quality Engineering	8	2
CEP174	Public Health Engineering Practice	12	3
CEP200	Process Modelling	8	2
CEP276	Advanced Treatment Processes	8	2
CEP277	Waste Management	12	3

* *Subject offered in Semester 1.*

\+ *Subject offered in Semester 2.*

CEP290	Environmental Law & Assessment	8	2
CEP361	Drainage Engineering	8	2
CHP691	Environmental Chemistry	8	3
LOCAL GOVERNMENT ENGINEERING			
CEP107	Construction Management & Economics	8	2
CEP109	Municipal Law & Regulation	8	2
CEP127	Road & Traffic Engineering	12	3
CEP128	Municipal Engineering Planning	12	3
CEP131	Engineering Management & Administration	12	3
CEP174	Public Health Engineering Practice	12	3
CEP200	Process Modelling	8	2
CEP361	Drainage Engineering	8	2
	AND EITHER		
CEP491	Municipal Engineering Practice	16	3
	OR		
	Two Approved Electives	16	3
PUBLIC HEALTH ENGINEERING			
CEP128	Municipal Engineering Planning	12	3
CEP131	Engineering Management & Administration	12	3
CEP172	Water Quality Engineering	8	2
CEP174	Public Health Engineering Practice	12	3
CEP200	Process Modelling	8	2
CEP276	Advanced Treatment Processes	8	2
CEP277	Waste Management	12	3
CEP361	Drainage Engineering	8	2
CEP491	Municipal Engineering Practice	16	3
TRANSPORTATION ENGINEERING			
CEP127	Road & Traffic Engineering	12	3
CEP128	Municipal Engineering Planning	12	3
CEP131	Engineering Management & Administration	12	3
CEP200	Process Modelling	8	2
CEP215	Advanced Traffic Engineering	8	2
CEP218	Transportation Engineering	12	3
CEP310	Urban Transport Planning	8	2
CEP361	Drainage Engineering	8	2
CEP491	Municipal Engineering Practice	16	3

■ Graduate Diploma in Project Management (CN64)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Andrew Leicester

Entry Requirements

To be eligible for admission an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution; or

(ii) have attained professional recognition by an equivalent course of study or examination, and

(iii) have a minimum of three years of relevant experience after graduation.

Where an equivalent course of study or examination cannot be readily established, an applicant, at the discretion of the Dean of Faculty, may be permitted to undertake a qualifying examination, the satisfactory completion of which will entitle the applicant to the status of a graduate or diplomate for the purpose of admission.

BUILDING MAJOR

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Semester 1			
CNP417	Design Management	6	2
CNP426	Project Development*	6	2
CNP429	Cost Management & Economics*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP434	Time Management 1	6	2
Semester 2			
CNP414	Time Management 2	6	2
CNP426	Project Development*	6	2
CNP429	Cost Management & Economics*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP437	Field Trip	12	5 days

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNP417	Design Management	6	2
CNP429	Cost Management & Economics*	6	2
CNP431	Project Management*	6	2
CNP434	Time Management 1	6	2
Year 1, Semester 2			
CNP414	Time Management 2	6	2
CNP429	Cost Management & Economics*	6	2
CNP431	Project Management*	6	2
CNP437	Field Trip	12	5 days
Year 2, Semester 1			
CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2
Year 2, Semester 2			
CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2

PROPERTY DEVELOPMENT MAJOR

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNP422	Specialist Valuation	6	2
CNP426	Project Development*	6	2
CNP430	Current Issues*	9	3

* *Subject extends over two semesters.*

CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP438	Real Estate Investment Analysis*	6	2
CNP439	Property Management	6	2

Year 1, Semester 2

CNP426	Project Developmen*	6	2
CNP430	Current Issues*	9	3
CNP431	Project Management*	6	2
CNP433	Project Management Law*	6	2
CNP437	Field Trip	12	5 days
CNP438	Real Estate Investment Analysis*	6	2
CNP667	Applied Computing	6	2

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**

Year 1, Semester 1

CNP426	Project Development*	6	2
CNP431	Project Management*	6	2
CNP438	Real Estate Investment Analysis*	6	2

Year 1, Semester 2

CNP426	Project Development*	6	2
CNP431	Project Management*	6	2
CNP437	Field Trip	12	5 days
CNP438	Real Estate Investment Analysis*	6	2

Year 2, Semester 1

CNP422	Specialist Valuation	6	2
CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2

Year 2, Semester 2

CNP430	Current Issues*	9	3
CNP433	Project Management Law*	6	2
CNP667	Applied Computing	6	2

■ Graduate Diploma in Surveying Practice (SV68)

Location: Gardens Point campus

Course Duration: 1 year full-time (34 weeks)

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Ian McGhie

Professional Recognition

Successful completion of the course leads to the award of Graduate Diploma in Surveying Practice, and licensing by the Surveyors Board of Queensland.

* *Subject extends over two semesters.*

Entry Requirements

NORMAL ENTRY
To be eligible for admission an applicant must hold the following:

(i) the degree of Bachelor of Applied Science (Surveying) from the Queensland University of Technology; or

(ii) the degree of Bachelor of Surveying from the University of Queensland; or

(iii) from another tertiary institution a degree acceptable to the Surveyors Board of Queensland and considered by the Head of the School of Surveying to be at least equivalent to the degree of Bachelor of Applied Science (Surveying) of this University.

QUALIFYING ENTRY
Applicants who do not meet the requirements for normal entry but who hold a tertiary qualification in a technological field or other equivalent qualification may be required to complete such prerequisite surveying and other subjects as may be determined by the Head of School prior to enrolment in the course.

Course Structure		Credit Points	Total Student Contact Hrs
Semester 1			
SVP111	Cadastral Surveying 1	26	356
SVP112	Survey Computing	3	47
SVP113	Office Operations	7	90
SVP114	Practice Law	2	30
SVP115	Professional Practice	1	8
SVP116	Survey Project Management	7	100
Semester 2			
SVP211	Cadastral Surveying 2	18	247
SVP212	Building Control Surveys	3	38
SVP213	Detail Surveys	2	30
SVP214	Mapping	6	76
SVP215	Innovations & Systems Developments	2	22
SVP216	Surveys for Government	3	38
SVP217	Engineering Surveying	16	210

Graduate Diploma in Urban and Regional Planning (PL67)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Brian Hudson

Entry Requirements

To be eligible for admission, an applicant must:

(i) hold an approved degree or diploma from a recognised teritiary institution; or

(ii) have attained professional recognition by an equivalent course of study or examination.

Graduates of the Bachelor of Built Environment course, Urban and Regional Planning Major, shall be granted exemption from Year 1 (full-time) or Years 1 and 2 (part-time). Students from other backgrounds will be granted exemptions as appropriate to their experience.

Professional Recognition

The Graduate Diploma in Urban and Regional Planning is fully accredited by the Royal Australian Planning Institute.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COP115	Professional Communication	5	2
PLP551	Land Use Generation	7	2
PLP552	Introduction to Graphics	5	2
PLP553	Site Planning Data & Techniques	3	1
PLP554	Site Planning Practice	12	3
PLP555	Theory of Site Planning	3	1
PLP557	Transport Planning	5	2
PLP562	Economics of Town Planning	5	2
PLP564	Introduction to Maps & Air Photos	3	1
Year 1, Semester 2			
ISB183	Introduction to Computers in Planning	4	2
PLP565	Urban Land Development	3	1
PLP558	Population & Urban Studies	10	3
PLP559	Applied Natural Science	5	2
PLP560	History of Planning	3	1
PLP561	Urban Design	18	3
PLP566	Housing & Community Services	5	2
Year 2, Semester 1			
PLP401	Rural Land Use & Planning	4	1
PLP403	Planning Processes	6	2
PLP404	Theories for Planning	4	2
PLP407	Urban Policy Processes	4	2
PLP408	Social & Political Structures	4	1
PLP409	Employment, Industry & Commerce	4	2
PLP411	Planning Practice & Law (Urban)	12	4
PLP413	Advanced Urban Structure	4	1
PLP414	Resource Management	6	2
Year 2, Semester 2			
PLP402	Social Planning	4	1
PLP405	Procedural Planning Theory	4	1
PLP406	Professional Procedures & Ethics	4	1
PLP412	Planning Practice & Law (Regional & Strategic)	12	4
PLP415	Research Methods & Individual Project	10	2
PLP416	Urban Policy Implementation	4	1
PLP418	Computer Applications in Planning	6	2
PLP420	School Field Trip	4	-

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COP115	Professional Communication	5	2
PLP551	Land Use Generation	7	2
PLP552	Introduction to Graphics	5	2

PLP553	Site Planning Data & Techniques	3	1
PLP555	Theory of Site Planning	3	1
PLP562	Economics of Town Planning	5	2
PLP564	Introduction to Maps & Air Photos	3	1

Year 1, Semester 2

ISB183	Introduction to Computers in Planning	4	2
PLP558	Population & Urban Studies	10	3
PLP559	Applied Natural Science	5	2
PLP560	History of Planning	3	1
PLP561	Urban Design	18	3

Year 2, Semester 1

PLP409	Employment, Industry & Commerce	4	2
PLP554	Site Planning Practice	12	3
PLP557	Transport Planning	5	2

Year 2, Semester 2

PLP565	Urban Land Development	3	1
PLP566	Housing & Community Services	5	2

Year 3, Semester 1

PLP403	Planning Processes	6	2
PLP411	Planning Practice & Law (Urban)	12	4
PLP407	Urban Policy Processes	4	2
PLP408	Social & Political Structure	4	1

Year 3, Semester 2

PLP412	Planning Practice & Law (Regional & Strategic)	12	4
PLP416	Urban Policy Implementation	4	1
PLP418	Computer Applications in Planning	6	2
PLP420	School Field Trip	4	-

Year 4, Semester 1

PLP401	Rural Land Use & Planning	4	1
PLP404	Theories for Planning	4	2
PLP413	Advanced Urban Structures	4	1
PLP414	Resource Management	6	2

Year 4, Semester 2

PLP402	Social Planning	4	1
PLP405	Procedural Planning Theory	4	1
PLP406	Professional Procedures & Ethics	4	1
PLP415	Research Methods & Individual Project	10	2

Bachelor of Built Environment (Architectural Studies), Bachelor of Built Environment (Industrial Design), Bachelor of Built Environment (Interior Design), Bachelor of Built Environment (Landscape Architecture), Bachelor of Built Environment (Urban and Regional Planning) (BN30)

Location: Gardens Point campus

Course Duration: 3 years full-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinators:
Planning and Landscape Architecture – Professor Phil Heywood
Interior and Industrial Designer – Professor Bill Lim

Majors Coordinators:
Architectural Studies – Professor Bill Lim
Industrial Design – Associate Professor Vesna Popovic
Interior Design – Mr Peter Hedley
Landscape Architecture – Ms Delwynn Poulton
Urban and Regional Planning – Ms Janelle Brown

Professional Recognition

ARCHITECTURAL STUDIES MAJOR
The Bachelor of Built Environment (Architectural Studies) must be completed before students are eligible to apply for entry to the fourth year of the part-time Bachelor of Architecture course.

Upon completion of the remaining three years of the part-time course, during which time students have been employed in an approved professional practice, the academic requirements for membership of professional bodies are met.

INDUSTRIAL DESIGN MAJOR
Successful completion of the Bachelor of Built Environment (Industrial Design) satisfies the entry requirement for the Graduate Diploma in Industrial Design - graduates of which are eligible for Associate Membership of the Design Institute of Australia.

INTERIOR DESIGN MAJOR
Successful completion of the Bachelor of Built Environment (Interior Design) satisfies the requirements for entry into the Graduate Diploma in Interior Design, which is accredited by the Design Institute of Australia.

LANDSCAPE ARCHITECTURE MAJOR
Successful performance in the Bachelor of Built Environment (Landscape Architecture) enables students to gain entry to the Graduate Diploma course. The Graduate Diploma in Landscape Architecture is the only course in Landscape Architecture in Queensland, and one of the courses in Landscape Architecture accredited by the Australian Institute of Landscape Architects.

URBAN AND REGIONAL PLANNING MAJOR
Successful completion of the Bachelor of Built Environment (Urban and Regional Planning) enables students to gain entry to the Graduate Diploma in Urban and Regional Planning, which is fully accredited by the Royal Australian Planning Institute.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
ARCHITECTURAL STUDIES MAJOR			
Year 1, Semester 1			
ARB140	Introductory Design 1	16	8
ARB141	The Human Environment 1	4	2
COB139	Writing for Designers 1	4	2
LSB113	Environmental Science	4	2
MAB181	Applied Mathematics for Designers 1	6	3
PHB144	Applied Science for Designers 1	6	3
PLB102	History of the Built Environment 1	6	3
SVB001	Surveying & Mapping	2	1

Year 1, Semester 2

ARB241	History of the Built Environment 2	10	5
CHB292	Applied Science for Designers 2	4	2
COB140	Writing for Designers 2	4	2
MAB182	Applied Mathematics for Designers 2	6	3
PLB200	Introductory Design 2	18	8
PLB201	The Human Environment 2	4	2
PLB209	Applied Land Science for Designers	2	1

Year 2, Semester 1

ARB340	Architectural Design 1	18	8
ARB341	Building Construction 1	16	6
ARB342	Design Science 1	2	1
ARB343	Visual Communication for Architects 1	4	2
CEB359	Principles of Structure 1	2	1
PLB301	The Human Environment 3	6	3

Year 2, Semester 2

ARB440	Architectural Design 2	20	6
ARB441	Building Construction 2	10	5
ARB442	Design Science 2	2	1
ARB443	Visual Communication for Architects 2	4	2
ARB444	Environmental Studies - Environmental Impacts	2	1
CEB459	Principles of Structure 2	4	2
PLB401	The Human Environment 4	4	2
PLB440	Introduction to Economics	2	1

Year 3, Semester 1

ARB540	Architectural Design 3	20	6
ARB541	Building Construction 3	17	6
ARB542	Design Science 3	3	1
ARB545	Building Services 1	4	2
CEB559	Principles of Structure 3	4	2

Year 3, Semester 2

ARB640	Architectural Design 4	20	6
ARB641	Building Construction 4	14	6
ARB642	Design Science 4	2	1
ARB645	Building Services 2	4	2
ARB646	Law of the Built Environment	4	2
CEB659	Principles of Structure 4	4	2

INDUSTRIAL DESIGN MAJOR

Year 1, Semester 1

ARB140	Introductory Design 1	16	8
ARB141	The Human Environment 1	4	2
ARB151	Introduction to Technology	2	1
COB139	Writing for Designers 1	4	2
LSB113	Environmental Science	4	2
MAB181	Applied Mathematics for Designers 1	6	3
PHB144	Applied Science for Designers 1	6	3
PLB102	History of the Built Environment 1	6	3

Year 1, Semester 2

ARB241	History of the Built Environment 2	10	5
ARB251	Ergonomics for Industrial Designers 1	2	2
CHB292	Applied Science for Designers 2	4	2
COB140	Writing for Designers 2	4	2
MAB182	Applied Mathematics for Designers 2	6	3
PLB200	Introductory Design 2	18	8
PLB201	The Human Environment 2	4	2

Year 2, Semester 1

ARB350	Industrial Design 1	18	8
ARB351	Ergonomics for Industrial Designers 2	4	2
ARB352	Visual Communication for Industrial Designers 1	4	2
ARB353	Manufacturing Technology 1	12	6
ARB354	CAD for Industrial Designers 1	4	2
PLB301	The Human Environment 3	6	3

Year 2, Semester 2

ARB444	Environmental Studies - Environmental Inpacts	2	1
ARB450	Industrial Design 2	20	6
ARB452	Visual Communication for Industrial Designers 2	4	2
ARB453	Manufacturing Technology 2	10	5
ARB454	CAD for Industrial Designers 2	4	2
MEB010	Dynamics 1	4	2
PLB401	The Human Environment 4	4	2

Year 3, Semester 1

ARB550	Industrial Design 3	20	6
ARB552	Visual Communication for Industrial Designers 3	4	2
ARB553	Manufacturing Technology 3	8	3
ARB554	CAD for Industrial Designers 3	4	2
ARB555	Economics of Industrial Production	4	2
MKB160	Marketing	4	2
MEB012	Dynamics 2	4	2

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
ARB650	Industrial Design 4	20	6
ARB652	Visual Communication for Industrial Designers 4	4	2
ARB653	Manufacturing Technology 4	14	5
ARB654	CAD for Industrial Designers 4	6	2

INTERIOR DESIGN MAJOR

Year 1, Semester 1

ARB140	Introductory Design 1	16	8
ARB141	The Human Environment 1	4	2
ARB161	Light & Colour Studies	8	2
COB139	Writing for Designers 1	4	2
LSB113	Environmental Science	4	2
PHB144	Applied Science for Designers 1	6	3
PLB102	History of the Built Environment 1	6	3

Year 1, Semester 2

ARB241	History of the Built Environment 2	10	5
ARB261	Introduction to Interior Technology	8	3
CHB292	Applied Science for Designers 2	4	2
COB140	Writing for Designers 2	4	2
PLB200	Introductory Design 2	18	8
PLB201	The Human Environment 2	4	2

Year 2, Semester 1

ARB360	Interior Design 1	18	8
ARB361	Interior Technology 1	16	6
ARB362	Furniture & Fittings 1	4	2
ARB363	Visual Communication for Interior Designers 1	4	2
PLB301	The Human Environment 3	6	3

Year 2, Semester 2

ARB444	Environmental Studies - Environmental Impacts	2	I
ARB460	Interior Design 2	20	6
ARB461	Interior Technology 2	10	5

ARB462	Furniture & Fittings 2	4	2
ARB463	Visual Communication for Interior Designers 2	4	2
ARB464	Architectural Interior Systems 1	4	2
PLB401	The Human Environment 4	4	2

Year 3, Semester 1

ARB560	Interior Design 3	20	6
ARB561	Interior Technology 3	16	6
ARB562	Furniture & Fittings 3	4	2
ARB563	Visual Communication for Interior Designers 3	4	2
ARB564	Architectural Interior Systems 2	4	2

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
ARB660	Interior Design 4	20	6
ARB661	Interior Technology 4	16	6
ARB662	Furniture & Fittings 4	4	2
ARB663	Research Methods	4	2

LANDSCAPE ARCHITECTURE MAJOR

Year 1, Semester 1

ARB140	Introductory Design 1	16	8
ARB141	The Human Environment 1	4	2
COB139	Writing for Designers 1	4	2
LSB113	Environmental Science	4	2
MAB195	Quantitative Methods 1	6	3
PHB144	Applied Science for Designers 1	6	3
PLB102	History of the Built Environment 1	6	3
PLB135	Map & Air Photo Interpretation	2	1

Year 1, Semester 2

ARB241	History of the Built Environment 2	10	5
CHB292	Applied Science for Designers 2	4	2
COB140	Writing for Designers 2	4	2
MAB196	Quantitative Methods 2	6	3
PLB200	Introductory Design 2	18	8
PLB201	The Human Environment 2	4	2
PLB209	Applied Land Science for Designers	2	1

Year 2, Semester 1

COB133	Oral Presentation	3	1
LSB345	Introduction to Ecology	8	4
PLB300	Planning & Landscape Design 1	18	8
PLB301	The Human Environment 3	6	3
PLB340	Site Measurement	4	1
PLB343	Introduction to the Professions	3	1
PLB346	Graphic Communication	6	3

Year 2, Semester 2

PLB400	Planning & Landscape Design 2	20	6
PLB401	The Human Environment 4	4	2
PLB408	Design Science	4	2
PLB409	Computer Techniques	4	2
PLB411	Landscape Ecology	8	3
PLB414	Population & Urban Studies	6	3
PLB440	Introduction to Economics	2	1

Year 3, Semester 1

PLB442	Quantities & Costs	2	1
PLB500	Planning & Landscape Design 3	20	6
PLB511	Landscape Construction	6	3
PLB546	Land Development 1	8	3

PLB547	Land Use Generation	4	2
PLB562	Report Preparation	2	1
PLB565	Landscape Graphics	6	2

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
PLB600	Planning & Landscape Design 4	20	6
PLB640	Planting Design	3	1
PLB643	Issues & Ethics	2	1
PLB645	Grading	4	2
PLB647	Land Use Policies	4	2
PLB649	Conservation Theory	2	1
PLB651	Elective - Landscape Architecture	4	2
PLB659	Impacts & Assessment	5	2

URBAN AND REGIONAL PLANNING MAJOR

Year 1, Semester 1

ARB140	Introductory Design 1	16	8
ARB141	The Human Environment 1	4	2
COB139	Writing for Designers 1	4	2
LSB113	Environmental Science	4	2
MAB195	Quantitative Methods 1	6	3
PHB144	Applied Science for Designers 1	6	3
PLB102	History of the Built Environment 1	6	3
PLB135	Map & Air Photo Interpretation	2	1

Year 1, Semester 2

ARB241	History of the Built Environment 2	10	5
CHB292	Applied Science for Designers 2	4	2
COB140	Writing for Designers 2	4	2
MAB196	Quantitative Methods 2	6	3
PLB200	Introductory Design 2	18	8
PLB201	The Human Environment 2	4	2
PLB209	Applied Land Science for Designers	2	1

Year 2, Semester 1

COB133	Oral Presentation	3	1
LSB345	Introduction to Ecology	8	4
PLB300	Planning & Landscape Design 1	18	8
PLB301	The Human Environment 3	6	3
PLB340	Site Measurement	4	1
PLB343	Introduction to the Professions	3	1
PLB346	Graphic Communication	6	3

Year 2, Semester 2

PLB400	Planning & Landscape Design 2	20	6
PLB401	The Human Environment 4	4	2
PLB408	Design Science	4	2
PLB409	Computer Techniques	4	2
PLB411	Landscape Ecology	8	3
PLB414	Population & Urban Studies	6	3
PLB440	Introduction to Economics	2	1

Year 3, Semester 1

PLB442	Quantities & Costs	2	1
PLB500	Planning & Landscape Design 3	20	6
PLB546	Land Development 1	8	3
PLB547	Land Use Generation	4	2
PLB561	Economics of Town Planning	3	1
PLB562	Report Preparation	2	1
PLB563	Transport Planning	5	2
PLB654	Elective (Planning)	4	2

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
PLB600	Planning & Landscape Design 4	20	6
PLB643	Issues & Ethics	2	1
PLB646	Land Development 2	7	3
PLB647	Land Use Policies	4	2
PLB649	Conservation Theory	2	1
PLB656	Housing & Community Services	4	2
PLB659	Impacts & Assessment	5	2

■ Bachelor of Applied Science (Construction Management) (CN31)

Location: Gardens Point campus

Course Duration: 6 years part-time, 2 years full-time plus 2 years part-time

Total Credit Points: 289

Standard Credit Points/Full-Time Semester: 48.17

Course Coordinator: Mr Gary Thomas

Special Course Requirements

A student registered in the part-time study program must be employed full-time by an approved building organisation or other approved body, for three of the final four years of the course.

A student registered in the full-time study program must be similarly employed during the final two years part-time segment of the course.

Part-time study generally involves 11 to 12 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5pm and 9.30pm.

For the first year of the part-time course a whole day release from employment is required.

Subjects are offered only once each year. This means that full-time students are required to attend part of their program in the evening.

Full-Time/Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB103	Material Science 1	4	2
CNB143	Structures 1	4	2
CNB151	Construction 1	12	6
CNB342	Law 2 - Principles & Property	3	1.5
COB141	Communications	4	2
MAB297	Mathematics for Construction	4	2
SSB908	Behavioural Science	6	3
SVB101	Surveying & Measuring	4	2
Year 1, Semester 2			
CNB104	Material Science 2	4	2
CNB131	Measurement of Construction 1A	6	3
CNB144	Structures 2	4	2
CNB154	Construction 2	14	7
CNB343	Economics of the Construction Industry	4	2

CNB345	Hygiene & Sanitation	6	3
ISB180	Computer Applications	4	2
SVB203	Project Survey	4	2

Year 2, Semester 1

CNB013	Building Services 1 - HVAC	4	2
CNB245	Measurement of Construction 1B	6	3
CNB247	Material Science 3	4	2
CNB253	Construction 3	10	5
CNB257	Structures 3	4	2
CNB403	Building Management 1	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB442	Valuation & Dilapidations*	4	2
CNB443	Building Services 3	5	2.5
CNB601	Formwork Design & Construction	4	2

Year 2, Semester 2

CNB014	Building Services 2 - Electrical	4	2
CNB243	Law 1 - Building Acts & Regulations	5	2
CNB246	Measurement of Construction 2B	8	4
CNB254	Construction 4	12	6
CNB258	Structures 4	4	2
CNB404	Building Management 2	4	2
CNB405	Project Equipment & Safety	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB442	Valuation & Dilapidations*	2	1
CNB446	Estimating 1	5	2.5

Year 3, Semester 1

CNB341	Building & Civil Engineering Construction	4	2
CNB444	Mechanical & Electrical Estimating	4	2
	OR		
	Elective	4	
CNB529	PM2 - Quantitative Techniques	5	2.5
CNB540	Estimating 2	5	2.5
CNB547	PM3 - Construction Planning Techniques 1	5	2.5
FNB101	Building Financial Management 1	4	2

Year 3, Semester 2

CNB301	PM1 - Advanced Construction Methods	4	2
CNB406	Building Financial Management 2	4	2
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB548	PM4 - Construction Planning Techniques 2	8	4
CNB550	PM5 - Project Cost Control	6	3

Year 4, Semester 1

CEB701	Civil Engineering Quantities 1	4	2
	OR		
	Elective	4	
CNB623	PM6 - Building Development Techniques 1	4	2
CNB642	Applied Computer Techniques	6	3
CNB656	Building Research*	8	4
HRB112	Industrial Relations	4	2

Year 4, Semester 2

CNB401	Building Economics & Cost Planning	4	2
CNB606	PM8 - Land Development Studies	4	2
CNB624	PM7 - Building Development Techniques 2	4	2
CNB643	Law 5 - Commercial Law	3	1.5
	OR		
	Elective	3	
CNB656	Building Research*	10	5

* *Subject extends over two semesters.*

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB103	Material Science 1	4	2
CNB143	Structures 1	4	2
CNB151	Construction 1	12	6
MAB297	Mathematics for Construction	4	2
Year 1, Semester 2			
CNB104	Material Science 2	4	2
CNB144	Structures 2	4	2
CNB154	Construction 2	14	7
ISB180	Computer Applications	4	2
Year 2, Semester 1			
CNB005	Measurement of Construction 1	6	3
CNB247	Material Science 3	4	2
CNB253	Construction 3	10	5
CNB257	Structures 3	4	2
COB141	Communications	4	2
Year 2, Semester 2			
CNB006	Measurement of Construction 2	6	3
CNB243	Law 1 - Building Acts & Regulations	5	2
CNB254	Construction 4	12	6
CNB258	Structures 4	4	2
Year 3, Semester 1			
CNB009	Measurement of Construction 3	4	2
CNB013	Building Services 1 - HVAC	4	2
CNB341	Building & Civil Engineering Construction	4	2
CNB342	Law 2 - Principles & Property	3	1.5
SSB908	Behavioural Science	6	3
SVB101	Surveying & Measuring	4	2
Year 3, Semester 2			
CNB010	Measurement of Construction 4	4	2
CNB014	Building Services 2 - Electrical	4	2
CNB345	Hygiene & Sanitation	6	3
CNB405	Project Equipment & Safety	4	2
SVB203	Project Survey	4	2
Year 4, Semester 1			
CNB403	Building Management 1	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB442	Valuation & Dilapidations*	4	2
CNB443	Building Services 3	5	2.5
CNB444	Mechanical & Electrical Estimating	4	2
	OR		
	Elective	4	
CNB601	Formwork Design & Construction	4	2
Year 4, Semester 2			
CNB301	PM1 - Advanced Construction Methods	4	2
CNB343	Economics of the Construction Industry	4	2
	OR		
	Elective		
CNB404	Building Management 2	4	2
CNB440	Law 3 - Building Contracts*	3	1

* *Subject extends over two semesters.*

CNB442	Valuation & Dilapidations*	2	1
CNB446	Estimating 1	5	2.5

Year 5, Semester 1

CEB701	Civil Engineering Quantities	4	2
	OR		
	Elective	4	
CNB529	PM2 - Quantitative Techniques	5	2.5
CNB540	Estimating 2	5	2.5
CNB547	PM3 - Construction Planning Techniques 1	5	2.5
FNB101	Building Financial Management 1	4	2

Year 5, Semester 2

CNB401	Building Economics & Cost Planning	4	2
CNB406	Building Financial Management 2	4	2
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB548	PM4 - Construction Planning Techniques 2	8	4
CNB550	PM5 - Project Cost Control	6	3

Year 6, Semester 1

CNB623	PM6 - Building Development Techniques 1	4	2
CNB642	Applied Computer Techniques	6	3
CNB656	Building Research*	8	4
HRB112	Industrial Relations	4	2

Year 6, Semester 2

CNB606	PM8 - Land Development Studies	4	2
CNB624	PM7 - Building Development Techniques 2	4	2
CNB643	Law 5 - Commercial Law	3	1.5
	OR		
	Elective	3	
CNB656	Building Research*	10	5

■ Bachelor of Applied Science (Property Economics) (CN32)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 49.83

Course Coordinator: Mr Terry Boyd

Professional Recognition

Completion of the undergraduate course together with the related experience requirements make a graduate eligible for membership of the Australian Institute of Valuers and Land Economists, registration by the Valuers Registration Board of Queensland and licencing as a real estate agent.

Special Course Requirement

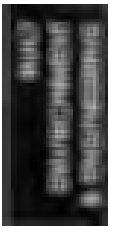
A student registered in the part-time study program must be employed full-time in an approved organisation for three of the final four years of the course.

Part-time study generally involves 11 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5pm and 9.30pm.

Subjects are offered only once each year. This means that full-time students are required to attend part of their program in the evening.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB161	Building Studies 1	14	5.5
CNB263	Valuation 1	8	3
CNB367	Real Estate - Accounting 1	4	2
COB141	Communications	4	2
EPB140	Macroeconomics	12	3
MAB298	Mathematics & Statistics	4	2
PLB663	Urban Planning 1	4	2
SVB101	Surveying & Measuring	4	2
Year 1, Semester 2			
CNB162	Building Studies 2	9	3.5
CNB164	Building Services 1A	6	2.5
CNB166	Urban Economics	4	2
CNB268	Valuation 2	8	3
CNB362	Property Marketing	7	3
CNB368	Real Estate - Accounting 2	7	3
ISB180	Computer Applications	4	2
PLB441	Urban Planning 2	4	2
Year 2, Semester 1			
CNB261	Building Studies 3	8	3
CNB342	Law 2 - Principles & Property	3	1.5
CNB363	Valuation 3	8	3
CNB465	Property Investment Analysis 1	8	3
CNB665	Property Management 1	8	3
CNB668	Law 6 - Valuation of Land	4	2
SSB908	Behavioural Science	6	3
Year 2, Semester 2			
CNB262	Building Studies 4	8	3
CNB364	Valuation 4	8	3
CNB464	Valuation 5 - Rural	8	3
CNB466	Property Investment Analysis 2	8	3
CNB471	Law 7 - Property Practice Law	6	2.5
CNB626	Land Development Studies	4	2
CNB643	Law 5 - Commercial Law	3	1.5
CNB666	Property Management 2	8	3
Year 3, Semester 1			
CNB470	Valuation 6 - Rural	8	3
CNB561	Property Maintenance	8	3
CNB563	Valuation - Advanced 1	8	3
CNB565	Time Management	8	3
CNB567	Real Estate Practice 1	4	2
CNB661	Elective Research Project 1	8	4
CNB663	Project Development Process 1	5	2
Year 3, Semester 2			
CNB472	Property Taxation Issues	3	1.5
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB564	Valuation - Advanced 2	8	3
CNB568	Real Estate Practice 2	5	2.5
CNB662	Elective Research Project 2	8	4
CNB664	Project Development Process 2	5	2
CNB667	Applied Computer Techniques	6	3

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB161	Building Studies 1	14	5.5
EPB140	Macroeconomics	12	3
MAB298	Mathematics & Statistics	4	2
Year 1, Semester 2			
CNB162	Building Studies 2	9	3.5
CNB164	Building Services 1A	6	2.5
CNB166	Urban Economics	4	2
ISB180	Computer Applications	4	2
Year 2, Semester 1			
CNB261	Building Studies 3	8	3
CNB263	Valuation 1	8	3
CNB342	Law 2 - Principles & Property	3	1.5
COB141	Communications	4	2
Year 2, Semester 2			
CNB262	Building Studies 4	8	3
CNB268	Valuation 2	8	3
CNB362	Property Marketing	7	3
CNB626	Land Development Studies	4	2
Year 3, Semester 1			
CNB363	Valuation 3	8	3
CNB367	Real Estate Accounting 1	4	2
CNB565	Time Management	8	3
PLB663	Urban Planning 1	4	2
Year 3, Semester 2			
CNB364	Valuation 4	8	3
CNB368	Real Estate Accounting 2	7	3
CNB464	Valuation 5 - Rural	8	3
PLB441	Urban Planning 2	4	2
Year 4, Semester 1			
CNB465	Property Investment Analysis 1	8	3
CNB470	Valuation 6 - Rural	8	3
SSB908	Behaviourial Science	6	3
SVB101	Surveying & Measuring	4	2
Year 4, Semester 2			
CNB466	Property Investment Analysis 2	8	3
CNB471	Law 7 - Property Practice Law	6	2.5
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB643	Law 5 - Commercial Law	3	1.5
Year 5, Semester 1			
CNB472	Property Taxation Issues	3	1.5
CNB561	Property Maintenance	8	3
CNB563	Valuation - Advanced 1	8	3
CNB567	Real Estate Practice 1	4	2
Year 5, Semester 2			
CNB564	Valuation - Advanced 2	8	3
CNB568	Real Estate Practice 2	5	2.5
CNB667	Applied Computer Techniques	6	3



Year 6, Semester 1

CNB661	Elective Research Project 1	8	4
CNB663	Project Development Process 1	5	2
CNB665	Property Management 1	8	3
CNB668	Law 6 - Valuation of Land	4	2

Year 6, Semester 2

CNB662	Elective Research Project 2	8	4
CNB664	Project Development Process 2	5	2
CNB666	Property Management 2	8	3

■ Bachelor of Applied Science (Quantity Surveying) (CN33)

Location: Gardens Point campus

Course Duration: 6 years part-time, 2 years full-time plus 2 years part-time

Total Credit Points: 281

Standard Credit Points/Full-Time Semester: 46.83

Course Coordinator: Mr Don Campbell-Stewart

Professional Recognition

Completion of the Bachelor of Applied Science (Quantity Surveying) together with the related experience requirements, enables a graduate to be eligible for membership of the Australian Institute of Quantity Surveying.

Special Course Requirements

A student registered in the part-time study program must be employed in a Building or Quantity Surveying Office under the direction of a qualified Quantity Surveyor for three of the final four years of the course.

A student registered in the full-time study program must be similarly employed during the final two years part-time segment of the course.

Part-time study generally involves 11-12 hours per week; comprising a half-day release from employment and the remaining time spread over two or three nights between 5pm and 9.30pm.

For the first year of the part-time course a whole day release from employment is required.

Subjects are offered only once each year. This means that full-time students are required to attend part of their program in the evening.

Full-Time/Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB103	Material Science 1	4	2
CNB143	Structures 1	4	2
CNB151	Construction 1	12	6
CNB342	Law 2 - Principles & Property	3	1.5
CNB442	Valuation & Dilapidations*	4	2
COB141	Communications	4	2
FNB101	Building Financial Management 1	4	2

* *Subject extends over two semesters.*

MAB297	Mathematics for Construction	4	2
SVB101	Surveying & Measuring	4	2

Year 1, Semester 2

CNB104	Material Science 2	4	2
CNB131	Measurement of Construction 1A	6	3
CNB144	Structures 2	4	2
CNB154	Construction 2	14	7
CNB343	Economics of the Construction Industry	4	2
CNB345	Hygiene & Sanitation	6	3
CNB442	Valuation & Dilapidations*	2	1
ISB180	Computer Applications	4	2

Year 2, Semester 1

CNB013	Building Services 1 - HVAC	4	2
CNB245	Measurement of Construction 1B	6	3
CNB247	Material Science 3	4	2
CNB253	Construction 3	10	5
CNB341	Building & Civil Engineering Construction	4	2
CNB403	Building Management 1	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB443	Building Services 3	5	2.5
CNB529	PM2 - Quantitative Techniques	5	2.5

Year 2, Semester 2

CNB014	Building Services 2 - Electrical	4	2
CNB243	Law 1 - Building Acts & Regulations	5	2
CNB246	Measurement of Construction 2B	8	4
CNB254	Construction 4	12	6
CNB404	Building Management 2	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB446	Estimating 1	5	2.5
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB643	Law 5 - Commercial Law	3	1.5
	OR		
	Elective	3	

Year 3, Semester 1

CNB444	Mechanical & Electrical Estimating	4	2
	OR		
	Elective	4	
CNB451	Computer Software Applications 1	4	2
CNB461	Measurement of Construction 5	3	1.5
CNB540	Estimating 2	5	2.5
CNB547	PM3 - Construction Planning Techniques 1	5	2.5
HRB112	Industrial Relations	4	2

Year 3, Semester 2

CNB301	PM1 - Advanced Construction Methods	4	2
CNB406	Building Financial Management 2	4	2
CNB462	Measurement of Construction 6	3	1.5
CNB520	Specifications	3	1.5
CNB524	Measurement of Construction 7	4	2
CNB526	Post Contract Services 1	5	2.5
CNB552	Office Management	2	1

Year 4, Semester 1

CEB701	Civil Engineering Quantities 1	4	2
CNB623	PM6 - Building Development Techniques 1	4	2
CNB647	Cost Planning & Cost Control 1	4	2
CNB653	Post Contract Services 2	5	2.5
CNB656	Building Research*	8	4

* *Subject extends over two semesters.*

Year 4, Semester 2

CEB801	Civil Engineering Quantities 2	3	1.5
CNB452	Computer Software Applications 2	4	2
CNB624	PM7 - Building Development Techniques 2	4	2
CNB648	Cost Planning & Cost Control 2	6	3
CNB656	Building Research*	10	5

Part-Time Course Structure

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB103	Material Science 1	4	2
CNB143	Structures 1	4	2
CNB151	Construction 1	12	6
MAB297	Mathematics for Construction	4	2
Year 1, Semester 2			
CNB104	Material Science 2	4	2
CNB144	Structures 2	4	2
CNB154	Construction 2	14	7
ISB180	Computer Applications	4	2
Year 2, Semester 1			
CNB005	Measurement of Construction 1	6	3
CNB247	Material Science 3	4	2
CNB253	Construction 3	10	5
COB141	Communications	4	2
Year 2, Semester 2			
CNB006	Measurement of Construction 2	6	3
CNB243	Law 1 - Building Acts & Regulations	5	2
CNB254	Construction 4	12	6
Year 3, Semester 1			
CNB009	Measurement of Construction 3	4	2
CNB013	Building Services 1 - HVAC	4	2
CNB341	Building & Civil Engineering Construction	4	2
CNB342	Law 2 - Principles & Property	3	1.5
CNB442	Valuation & Dilapidations*	4	2
SVB101	Surveying & Measuring	4	2
Year 3, Semester 2			
CNB010	Measurement of Construction 4	4	2
CNB014	Building Services 2 - Electrical	4	2
CNB343	Economics of the Construction Industry	4	2
	OR		
	Elective	4	
CNB345	Hygiene & Sanitation	6	3
CNB442	Valuation & Dilapidations*	2	1
CNB520	Specification	3	1.5
Year 4, Semester 1			
CEB701	Civil Engineering Quantities 1	4	2
CNB403	Building Management 1	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB443	Building Services 3	5	2.5
CNB451	Computer Software Applications 1	4	2
CNB461	Measurement of Construction 5	3	1.5

* *Subject extends over two semesters.*

Year 4, Semester 2

CEB801	Civil Engineering Quantities 2	3	1.5
CNB301	PM1 - Advanced Construction Methods	4	2
CNB404	Building Management 2	4	2
CNB440	Law 3 - Building Contracts*	3	1
CNB446	Estimating 1	5	2.5
CNB462	Measurement of Construction 6	3	1.5

Year 5, Semester 1

CNB444	Mechanical & Electrical Estimating	4	2
	OR		
	Elective	4	
CNB529	PM2 - Quantitative Techniques	5	2.5
CNB540	Estimating 2	5	2.5
CNB547	PM3 - Construction Planning Techniques 1	5	2.5
FNB101	Building Financial Management 1	4	2

Year 5, Semester 2

CNB406	Building Financial Management 2	4	2
CNB524	Measurement of Construction 7	4	2
CNB526	Post Contract Services 1	5	2.5
CNB543	Law 4 - Torts & Arbitrations	3	1.5
CNB552	Office Management	2	1
CNB643	Law 5 - Commercial Law	3	1.5
	OR Elective	3	

Year 6, Semester 1

CNB623	PM6 - Building Development Techniques 1	4	2
CNB647	Cost Planning & Cost Control 1	4	2
CNB653	Post Contract Services 2	5	2.5
CNB656	Building Research*	8	4
HRB112	Industrial Relations	4	2

Year 6, Semester 2

CNB452	Computer Software Applications 2	4	2
CNB624	PM7 - Building Development Techniques 2	4	2
CNB648	Cost Planning & Cost Control 2	6	3
CNB656	Building Research*	10	5

Bachelor of Architecture (AR41)

Location: Gardens Point campus

Course Duration: 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Professor Bill Lim

Professional Recognition

On completion of the course and one year's postgraduate practical experience graduates are eligible for associate membership of the Royal Australian Institute of Architects and are eligible to sit for the registration examination conducted by the Board of Architects of Queensland.

* *Subject extends over two semesters.*

Special Course Requirements

(i) Except as provided in (ii) below, a student must be engaged in approved employment for 11 months per year for four of the six years of the course, including one of the two final years. Approved employment is defined as working under the direction of an architect or, for a period not exceeding six months, gaining experience in a related field approved by the Head of School. Students should work under the same employer for at least six months.

(ii) A student who is admitted with advanced standing and who is granted exemption from all subjects in the first three years of the course may be granted exemption from the subject ARB791 Approved Employment 1.

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ARB191	The Human Environment 1	4	2
ARB193	Design 1	10	5
ARB195	Technology 1	4	2
ARB197	History of the Built Environment 1	2	1
COB130	Writing for Designers 1	4	2
Year 1, Semester 2			
ARB194	Design 2	10	5
ARB196	Technology 2	4	2
ARB198	History of the Built Environment 2	2	1
COB131	Writing for Designers 2	4	2
COB132	The Human Environment 2	4	2
Year 2, Semester 1			
ARB289	Design Science 1	2	1
ARB291	The Human Environment 3	4	2
ARB293	Design 3	10	5
ARB295	Building Construction 1	4	2
ARB297	Principles of Structures 1	2	1
ARB299	Introduction to Computing 1	2	1
Year 2, Semester 2			
ARB288	Design Science 2	2	1
ARB290	Introduction to Computing 2	2	1
ARB292	The Human Environment 4	4	2
ARB294	Design 4	8	4
ARB296	Building Construction 2	4	2
ARB298	Principles of Structures 2	4	2
Year 3, Semester 1			
ARB387	Environmental Impact Studies	2	1
ARB389	Design Science 3	4	2
ARB391	Building Services 1	4	1.5
ARB393	Design 5	8	4
ARB395	Building Construction 3	3	1.5
ARB397	Principles of Structures 3	3	2
Year 3, Semester 2			
ARB386	Law of the Built Environment	4	2
ARB388	Design Science 4	2	1
ARB392	Building Services 2	3	1.5
ARB394	Design 6	8	4
ARB396	Building Construction 4	3	1.5
ARB398	Principles of Structures 4	4	2

Year 4, Semester 1

ARB491	History of Architecture & Art 3*	2	1
ARB493	Design 7*	10	5
ARB495	Professional Studies 1*	8	4
ARB497	Advanced Technology*	4	2

Year 4, Semester 2

ARB491	History of Architecture & Art 3*	2	1
ARB493	Design 7*	10	5
ARB495	Professional Studies 1*	8	4
ARB497	Advanced Technology*	4	2

Year 5, Semester 1

ARB591	History of Architecture & Art 4*	2	1
ARB593	Design 8*	10	5
ARB595	Professional Studies 2*	8	4
ARB597	Elective 1*	4	2

Year 5, Semester 2

ARB591	History of Architecture & Art 4*	2	1
ARB593	Design 8*	10	5
ARB595	Professional Studies 2*	8	4
ARB597	Elective 1*	4	2

Year 6, Semester 1

ARB693	Design 9	16	5
ARB695	Professional Studies 3*	4	2
ARB697	Elective 2*	4	2

Year 6, Semester 2

ARB695	Professional Studies 3*	4	2
ARB697	Elective 2*	20	5

Approved Employment Subjects

ARB791	Approved Employment 1
ARB792	Approved Employment 2
ARB793	Approved Employment 3
ARB794	Approved Employment 4

Special notes relating to Honours and With Distinction in courses in the Faculty of Built Environment and Engineering

Field Trips

Field trips or field projects in the Engineering courses have a compulsory attendance requirement.

Honours and With Distinction

Honours may be awarded in the four-year Bachelor of Engineering courses. First class honours, second class honours division A and second class honours division B may be awarded. Candidates for a degree with honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course subjects as may from time to time be determined by the Faculty Academic Board and approved by Academic Committee.

* *Subject extends over two semesters.*

'With Distinction' may be awarded in the Bachelor of Applied Science courses, Bachelor of Built Environment, and in the Graduate Diploma and Associate Diploma courses. The award 'With Distinction' depends on proficiency shown in normal assessment for each course offered. There are no additional requirements.

Honours and With Distinction Based on Grade Point Average

The Faculty of Built Environment and Engineering Academic Board has resolved that honours and with distinction for students graduating in 1992 and thereafter will be based on grades achieved by students throughout the whole of their course as determined by the grade point average (GPA) calculation.

For the four-year Bachelor of Engineering courses, students obtaining a GPA of 6.0 or greater will normally qualify for the award of first class honours. Students obtaining a GPA of 5.5 to 5.99 will normally qualify for the award of second class honours division A. Students obtaining a GPA of 5.0 to 5.49 will normally qualify for the award of second class honours division B.

For double degree engineering courses, the student's GPA will be based on the engineering subjects which they study together with sufficient subjects from the other degree course to make up approximately the same number and type (where possible) of subjects so that the aggregate of subjects, as determined by the Dean, is equivalent to the appropriate engineering degree. Students obtaining a GPA (for the group of subjects as set out in the previous sentence) of 6.0 or greater will normally qualify for the award of first class honours. Students obtaining a GPA of 5.5 to 5.99 will normally qualify for the award of second class honours division A. Students obtaining a GPA of 5.0 to 5.49 will normally qualify for the award of second class honours division B.

For the award of 'With Distinction', students must obtain a GPA of 5.5 or greater.

Students who commenced their program prior to 1990 may appeal against the award of 'Honours' or 'With Distinction' based on GPA if they feel they have been disadvantaged by the new system.

Special notes relating to Bachelor of Engineering courses

Industrial Experience

A student shall have engaged in at least five weeks' approved employment in conjunction with each of the first, second and third years of the full-time course or first, third and fifth years of the part-time course. In addition, students in the Bachelor of Engineering (Aerospace Avionics) degree, are required to obtain two weeks specialist experience during the first year of their course.

As a minimum requirement any employment is suitable for credit towards Industrial Experience 1. Employment in any engineering firm may be credited towards Industrial Experience 2 whilst the requirement for Industrial Experience 3 is that employment must be obtained in the specialty engineering area being studied i.e. civil, electrical or mechanical engineering.

The student must submit an industrial experience record form which has been completed by both the student and the employer. These forms are available from the Faculty office. In addition civil engineering students must submit written report(s) covering the experience claimed for Industrial Experience 2 and Industrial Experience 3. A booklet outlining the requirements is available from the Civil Engineering office in 'L' Block, Gardens Point campus.

Bachelor of Applied Science (Surveying) (SV34)

Location: Gardens Point campus

Course Duration: 3 years full-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Brian Hannigan

Professional Recognition

Eligibility for registration by the Surveyors Board of Queensland. Recognised as satisfying the academic requirements for admission as a member of both the Institution of Surveyors (Australia) and the Australian Institute of Cartographers.

Special Course Requirements

For successful completion of the course a student must have completed at least 18 weeks of approved employment. For the employment to be recognised, the student must submit details of the work experience on an industrial experience record form or diaries provided for the purpose and certified by the employer. Should employment exceed the minimum required, it is strongly recommended that the details also be recorded in the diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Board of Surveyors.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB294	Computer Programming	6	3
MAB199	Survey Mathematics 1	12	6
SVB111	Data Presentation 1	6	3
SVB121	Land Surveying 1	13	6
SVB282	Seminar 1	5	2
SVB352	Land Studies A*	6	3
Year 1, Semester 2			
MAB495	Survey Mathematics 2	12	6
MAB499	Basic Statistics for Surveyors	5	2
SVB199	Industrial Experience 1		6 weeks
SVB211	Data Presentation 2	6	3
SVB226	Land Surveying 2	13	6
SVB270	Land Administration 1	6	3
SVB352	Land Studies A*	6	3

At the end of Year 1, Semester 2, students must select either the Surveying or Cartography Major and must obtain vacation practice in that area.

SURVEYING MAJOR

Year 2, Semester 1			
MAB795	Survey Mathematics 3	6	3
PHB170	Physics for Surveyors	12	6
SVB311	Data Presentation 3	5	3
SVB331	Observations & Adjustments 1	4	2
SVB393	Land Surveying 3	10	5
SVB473	Land Information Systems 1	5	3
SVB573	Land Administration 3	6	3

* *Subject extends over two semesters.*

Year 2, Semester 2

CEB364	Engineering Science 2	6	3
SVB299	Industrial Experience 2		6 weeks
SVB343	Photogrammetry 1	6	3
SVB412	Cartographic Practice	5	3
SVB430	Land Surveying 4	9	4
SVB431	Observations & Adjustments 2	4	2
SVB442	Geodetic Computations	9	4
SVB451	Land Studies B	5	3
SVB574	Land Administration 4	4	2

Year 3, Semester 1

SVB443	Photogrammetry 2	11	6
SVB470	Land Administration 2	4	2
SVB535	Land Surveying 5	5	3
SVB551	Land Valuation	6	3
SVB561	Land Development Practice 1	10	6
SVB563	Land Information Systems 2	4	2
SVB571	Cadastre	4	2
SVB683	Project*	4	1

Year 3, Semester 2

SVB399	Industrial Experience 3		6 weeks
SVB636	Land Surveying 6	6	3
SVB639	Observations & Adjustment 3	4	2
SVB640	Geodesy	6	3
SVB664	Land Development Practice 2	10	6
SVB680	Professional Practice	6	3
SVB682	Seminar 2	2	1
SVB683	Project*	4	1
	Two Elective Subjects	10	6

CARTOGRAPHY MAJOR

Year 2, Semester 1

MAB795	Survey Mathematics 3	6	3
PHB170	Physics for Surveyors	12	6
SVB311	Data Presentation 3	5	3
SVB331	Observations & Adjustments 1	4	2
SVB473	Land Information Systems 1	5	3
SVB573	Land Administration 3	6	3
SVB911	Graphic Design 1	10	5

Year 2, Semester 2

SVB299	Industrial Experience 2		6 weeks
SVB343	Photogrammetry 1	6	3
SVB412	Cartographic Practice	5	3
SVB431	Observations & Adjustments 2	4	2
SVB442	Geodetic Computations	9	4
SVB451	Land Studies B	5	3
SVB574	Land Administration 4	4	2
SVB912	Graphic Design 2	9	4

Year 3, Semester 1

SVB443	Photogrammetry 2	11	6
SVB470	Land Administration 2	4	2
SVB561	Land Development Practice 1	10	6
SVB563	Land Information Systems 2	4	2
SVB571	Cadastre	4	2
SVB685	Project*	8	4

* *Subject extends over two semesters.*

Year 3, Semester 2

SVB399	Industrial Experience 3		6 weeks
SVB639	Observations & Adjustments 3	4	2
SVB664	Land Development Practice 2	10	6
SVB680	Professional Practice	6	3
SVB682	Seminar 2	2	1
SVB685	Project*	8	4
	Two Elective Subjects	10	6

Electives

CEB504	Engineering Science 3	5	3
SVB634	Topics in Engineering Surveying	5	3
SVB643	Photogrammetry 3	5	3
SVB645	Remote Sensing	5	3
SVB670	Land Administration 5	5	3
SVB684	Map Production Planning	5	3
SVB694	Geodesy 2	5	3

■ Bachelor of Engineering (Aerospace Avionics) (EE43)

Location: Gardens Point campus

Course Duration: 4 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Professor Miles Moody

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB001	Learning at University	2	1
CHB002	Introduction to Engineering Chemistry*	2	1
CEB102	Civil Engineering 1	2	1
CEB184	Engineering Mechanics 1	7	3
COB137	English for Technologists	6	3
CSB191	Introduction to Computing	4	2
EEB101	Circuits & Measurements	7	3
EEB107	Aeronautical Industrial Experience 1		2 weeks
MAB193	Engineering Mathematics 1+	6	3
MEB121	Engineering Graphics	6	3
MEB171	Introduction to Manufacturing	2	1
PHB132	Engineering Physics 1A	6	3
Year 1, Semester 2			
CEB185	Engineering Mechanics 2	7	3
EEB202	Electromagnetics	6	3
EEB203	Circuit Analysis	5	3
EEB206	Industrial Experience 1		5 weeks
EEB371	Electronic Devices	5	3
MAB193	Engineering Mathematics 1	6	3
MEB111	Dynamics	7	3
MEB133	Materials 1	6	1.5
PHB232	Engineering Physics 2	6	3

* *CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

\+ *Subject extends over two semesters*

Year 2, Semester 1

COB142	Communication for Engineers	2	1
CSB490	Software Engineering	6	3
EEB303	Network Theory 1	7	3
EEB361	Signals & Systems	7	3
EEB373	Digital Electronics Principles	6	3
EEB471	Electronics	7	3
MAB493	Engineering Mathematics 2*	6	3
MEB362	Thermo-Fluids	7	3

Year 2, Semester 2

EEB401	Network Theory 2	6	3
EEB407	Aeronautical Industrial Experience 2		5 weeks
EEB430	Engineering Fields	6	3
EEB473	Integrated Circuits	6	3
EEB474	Microprocessors	6	3
EEB520	Control Engineering	6	3
EEB561	Analogue Communications	6	3
MAB493	Engineering Mathematics 2*	6	3
MEB454	Aerodynamics 1	6	3

Year 3, Semester 1

EEB562	Transmission & Propagation	6	3
EEB580	Aerospace Design 1	6	3
EEB602	Signal Processing	6	3
EEB620	Control Systems Analysis	6	3
EEB692	Space Technology	6	3
MAB893	Engineering Mathematics 3	6	3
MEB553	Aerodynamics 2	6	3
MEB690	Aircraft Systems	6	3

Year 3, Semester 2

EEB607	Aeronautical Industrial Experience 3		5 weeks
EEB662	Microwave & Antenna Technology	7	3
EEB680	Aerospace Design 2	6	3
EEB691	Aeronautical Computing	6	3
EEB967	Digital Communications	6	3
EEB968	Digital Signal Processing	7	3
MAB894	Engineering Mathematics 4	6	3
MEB551	Propulsion & Engines	5	3
MEB611	Stability & Control of Aircraft	5	3

Year 4, Semester 1

EEB722	Flight Control Systems	6	3
EEB780	Aerospace Design 3	6	3
EEB784	Aerospace Project*	12	6
EEB947	Radar & Radio Navigational Aids	6	3
MEB790	Spacecraft & Satellite Design	6	3
SVB645	Remote Sensing	5	3
	One Elective	7	3

Year 4, Semester 2

EEB601	Real Time Operating Systems	6	3
EEB784	Aerospace Project*	15	6
EEB880	Aerospace Design 4	7	3
MEB740	Maintenance Management & Technology	6	3
	Two Electives	14	6

Electives

EEB934	Advanced Communications & Navigation Systems	7	3
EEB932	Automatic Flight Control	7	3

* *Subject extends over two semesters.*

EEB933	Combat Systems	7	3
EEB935	Advanced Satellite Systems	7	3
EEB980	Aerospace Law	7	3
FNB116	Financial Management for Engineers	6	3
HRB111	Industrial Management	6	3
MEB774	Operations Management	7	3
	Any approved subject offered for EE44 BEng(Electrical & Computer Engineering)	7	3

Bachelor of Engineering (Civil) (CE42)*

Location: Gardens Point campus

Course Duration: 4 years full-time, 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Terry Piggott

Professional Recognition
Membership of the Institution of Engineers, Australia.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB001	Learning at University	2	1
CEB102	Civil Engineering 1	2	1
CEB184	Engineering Mechanics 1+	7	3
CHB002	Introduction to Engineering Chemistry#	2	1
COB137	English for Technologists	6	3
CSB191	Introduction to Computing	4	2
EEB101	Circuits & Measurements	7	3
MAB193	Engineering Mathematics 1**	6	3
MEB121	Engineering Graphics	6	3
MEB171	Introduction to Manufacturing	2	1
PHB132	Engineering Physics 1A	6	3
Year 1, Semester 2			
CEB185	Engineering Mechanics 2+	7	3
CEB192	Industrial Experience 1		5 weeks
CHB346	Engineering Chemistry C	4	2
CSB291	Introduction to FORTRAN	4	2
MAB193	Engineering Mathematics 1**	6	3
MEB111	Dynamics	7	3
MEB133	Materials 1	6	3
PHB232	Engineering Physics 2A	6	3
SVB306	Surveying	8	3

* *See Special Notes.*

\+ *Students who have not successfully completed CEB184 or CEB185 may enrol in the equivalent subjects CEB001 (Engineering Mechanics A) or CEB002 (Engineering Mechanics B) which will be offered during the summer vacation.*

\# *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

** *Subject extends over two semesters.*

Year 2, Semester 1

CEB201	Steel Structures	7	3
CEB231	Concrete Technology	7	3
CEB260	Fluid Mechanics	7	3
CEB281	Strength of Materials	6	2
CEB282	Statics	2	1
CEB291	Civil Engineering Materials	7	3
ESB519	Geology for Engineers	6	3
MAB493	Engineering Mathematics 2+	6	3

Year 2, Semester 2*

CEB202	Concrete Structures 1	6	3
CEB220	Civil Systems 1	6	3
CEB240	Soil Mechanics 1	6	3
CEB253	Structural Engineering 1	6	3
CEB292	Industrial Experience 2		5 weeks
CEB312	Highway Engineering	6	3
CEB360	Hydraulic Engineering 1	6	3
CEB393	Engineering Investigation & Reporting 1	3	2
CEB404	Field Trip	3	1.5
MAB493	Engineering Mathematics 2+	6	3

Year 3, Semester 1

CEB241	Soil Mechanics 2	7	3
CEB304	Civil Engineering Design 1+	8	4
CEB306	Concrete Structures 2	7	3
CEB307	Construction Practice	6	3
CEB354	Structural Engineering 2	7	3
CEB460	Hydraulic Engineering 2	7	3
MAB893	Engineering Mathematics 3	6	3

Year 3, Semester 2

CEB304	Civil Engineering Design 1+	8	4
CEB305	Construction Planning & Economics	6	3
CEB313	Traffic Engineering	6	3
CEB355	Structural Engineering 3	6	3
CEB361	Hydrology	6	3
CEB370	Public Health Engineering 1	6	3
CEB392	Industrial Experience 3		5 weeks
HRB121	Management	4	2

Year 4, Semester 1

CEB401	Design Project	5	3
CEB405	Civil Engineering Design 2+	6	3
CEB422	Civil Systems 2	5	2
CEB430	Building Construction	3	2
CEB470	Public Health Engineering 2	5	3
CEB491	Project (Civil)+	9	3
CEB492	Engineering Investigation & Reporting 2	3	1
	Two Elective Subjects	12	6

Year 4, Semester 2

CEB403	Professional Practice	7	2
CEB405	Civil Engineering Design 2+	6	3
CEB406	Structural Applications	8	3
CEB491	Project (Civil)+	9	3
	Three Elective Subjects	18	9

* *Year 2, Semester 2 includes a tutorial week during which field trips are to be taken.*

\+ *Subject extends over two semesters.*

Electives

FIRST SEMESTER			
CEB501	Civil Engineering Practice 1	6	3
CEB505	Project Management & Administration	6	3
CEB512	Transport Engineering 1	6	3
CEB541	Geotechnical Engineering 2	6	3
CEB551	Advanced Structural Design	6	3
CEB561	Coastal Engineering	6	3
SECOND SEMESTER			
CEB503	Advanced Construction Methods	6	3
CEB506	Civil Engineering Practice 2	6	3
CEB511	Transport Engineering 2	6	3
CEB520	Finite Element Methods	6	3
CEB531	Masonry Design	6	3
CEB542	Geotechnical Engineering 3	6	3
CEB560	Hydraulic Engineering 3	6	3
CEB570	Public Health Engineering 3	6	3

Note: Students' elective programs are subject to approval by the Head of School.

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BNB001	Learning at University	2	1
CEB102	Civil Engineering 1	2	1
CEB184	Engineering Mechanics 1*	7	3
CHB002	Introduction to Engineering Chemistry+	(2)	(1)
MAB193	Engineering Mathematics 1#	6	3
MEB121	Engineering Graphics	6	3
MEB171	Introduction to Manufacturing	2	1
PHB132	Engineering Physics 1A	6	3
Year 1, Semester 2			
CEB185	Engineering Mechanics 2*	7	3
CEB192	Industrial Experience 1		5 weeks
MAB193	Engineering Mathematics 1#	6	3
MEB111	Dynamics	7	3
MEB133	Materials 1	6	3
PHB232	Engineering Physics 2A	6	3
Year 2, Semester 1			
CEB231	Concrete Technology	7	3
CEB291	Civil Engineering Materials	7	3
COB137	English for Technologists	6	3
CSB191	Introduction to Computing	4	2
MAB493	Engineering Mathematics 2#	6	3
Year 2, Semester 2			
CEB253	Structural Engineering 1	6	3
CEB281	Strength of Materials	6	2
CEB282	Statics	2	1
CEB404	Field Trip	3	1.5
CSB291	Introduction to FORTRAN	4	2
MAB493	Engineering Mathematics 2#	6	3
SVB306	Surveying	8	3

* *Students who have not successfully completed CEB184 or CEB185 may enrol in the equivalent subjects CEB001 (Engineering Mechanics A) or CEB002 (Engineering Mechanics B) which will be offered during the summer vacation.*

\+ *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

\# *Subject extends over two semesters*

Year 3, Semester 1

CEB201	Steel Structures	7	3
CEB260	Fluid Mechanics	7	3
CEB307	Construction Practice	6	3
ESB519	Geology for Engineers	6	3
MAB893	Engineering Mathematics 3	6	3

Year 3, Semester 2

CEB202	Concrete Structures 1	6	3
CEB240	Soil Mechanics 1	6	3
CEB292	Industrial Experience 2		5 weeks
CEB305	Construction Planning & Economics	6	3
CEB360	Hydraulic Engineering 1	6	3
CHB346	Engineering Chemistry C	4	2

Year 4, Semester 1

CEB220	Civil Systems 1	6	3
CEB241	Soil Mechanics 2	7	3
CEB354	Structural Engineering 2	7	3
CEB460	Hydraulic Engineering 2	7	3
EEB101	Circuits & Measurements	7	3

Year 4, Semester 2

CEB312	Highway Engineering	6	3
CEB341	Geotechnical Engineering 1	6	3
CEB355	Structural Engineering 3	6	3
CEB361	Hydrology	6	3
CEB370	Public Health Engineering 1	6	3

Year 5, Semester 1

CEB304	Civil Engineering Design 1*	8	4
CEB306	Concrete Structures 2	7	3
CEB313	Traffic Engineering	6	3
CEB393	Engineering Investigation & Reporting 1	3	2
CEB470	Public Health Engineering 2	6	3
CEB492	Engineering Investigation & Reporting 2	3	1

Year 5, Semester 2

CEB304	Civil Engineering Design 1*	8	4
CEB392	Industrial Experience 3		5 weeks
CEB401	Design Project	5	3
CEB430	Building Construction	3	2
CEB492	Engineering Investigation & Reporting 2	3	1
HRB121	Management	4	2
CEB422	Civil Systems 2	5	2
	One Elective Subject	6	3

Year 6, Semester 1

CEB405	Civil Engineering Design 2*	6	3
CEB406	Structural Applications	8	3
CEB491	Project (Civil)+	9	3
	Two Elective Subjects	12	6

* *Students who have not successfully completed CEB184 or CEB185 may enrol in the equivalent subjects CEB001 (Engineering Mechanics A) or CEB002 (Engineering Mechanics B) which will be offered during the summer vacation.*

\+ *Extends over two semesters.*

Year 6, Semester 2

CEB403	Professional Practice	7	2
CEB405	Civil Engineering Design 2*	6	3
CEB491	Project (Civil)**	9	3
	Two Elective Subjects	12	6

Electives

Refer to full-time structure.

Bachelor of Engineering (Electrical and Computer Engineering) (EE44)+

Location: Gardens Point campus

Course Duration: 4 years full-time, 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr David Birtwhistle

Professional Recognition

Membership of the Institution of Engineers, Australia and of the Institution of Radio and Electronics Engineers.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB001	Learning at University	2	1
CEB102	Civil Engineering 1	2	1
CEB184	Engineering Mechanics 1	7	3
CHB002	Introduction to Engineering Chemistry#	(2)	(1)
COB137	English for Technologists	6	3
CSB191	Introduction to Computing	4	2
EEB101	Circuits & Measurements	7	3
MAB193	Engineering Mathematics 1**	6	3
MEB121	Engineering Graphics	6	3
MEB171	Introduction to Manufacturing	2	1
PHB132	Engineering Physics 1A	6	3
Year 1, Semester 2			
CSB291	Introduction to FORTRAN	4	2
EEB202	Electromagnetics	6	3
EEB203	Circuit Analysis	5	3
EEB206	Industrial Experience 1		5 weeks
EEB272	Digital Principles	3	1.5
EEB371	Electronic Devices	5	3
MAB193	Engineering Mathematics 1**	6	3
MEB111	Dynamics	7	3

* *Students who have not successfully completed CEB184 or CEB185 may enrol in the equivalent subjects CEB001 (Engineering Mechanics A) or CEB002 (Engineering Mechanics B) which will be offered during the summer vacation.*

\+ *See Special Notes.*

\# *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

** *Subject extends over two semesters.*

MEB133	Materials 1	6	1.5
PHB232	Engineering Physics 2	6	3

Year 2, Semester 1

COB142	Communication for Engineers	2	1
CSB490	Software Engineering	6	3
EEB302	Electrotechnology	6	3
EEB303	Network Theory 1	7	3
EEB361	Signals & Systems	7	3
EEB372	Sequential Logic	7	3
EEB471	Electronics	7	3
MAB493	Engineering Mathematics 2*	6	3

Year 2, Semester 2

EEB400	Electrical Power Systems	6	3
EEB401	Network Theory 2	6	3
EEB406	Industrial Experience 2		5 weeks
EEB430	Engineering Fields	6	3
EEB473	Integrated Circuits	6	3
EEB474	Microprocessors	6	3
EEB520	Control Engineering	6	3
EEB561	Analogue Communications	6	3
MAB493	Engineering Mathematics 2*	6	3

Year 3, Semester 1

EEB661	Information Theory & Noise	6	3
	OR		
EEB553	Electrical Power Equipment	6	3
EEB404	Electrical Machines	6	3
EEB562	Transmission & Propagation	6	3
EEB573	Industrial Electronics	6	3
EEB587	Design 1	6	3
EEB591	Systems Programming Languages	6	3
EEB620	Control Systems Analysis	6	3
MAB893	Engineering Mathematics 3	6	3

Year 3, Semester 2

EEB971	Applied Electronics	6	3
	OR		
EEB531	Electrical Power Transmission	6	3
EEB601	Realtime Operating Systems	6	3
EEB602	Signal Processing	6	3
EEB606	Industrial Experience 3		5 weeks
EEB621	Advanced Control Systems	6	3
EEB788	Design 2	8	3
EEB967	Digital Communications	6	3
MAB894	Engineering Mathematics 4	6	3
	One General Elective	4	2

Year 4, Semester 1

EEB662	Microwave & Antenna Technology	7	3
	OR		
EEB652	Power Electronics	7	3
EEB968	Digital Signal Processing	7	3
	OR		
EEB742	Power Systems Engineering	7	3
EEB789	Project*	15	6
EEB821	Production Technology & Quality	6	3
EEB887	Design 3	6	3
	One Technical Elective	7	3

* *Subject extends over two semesters.*

Year 4, Semester 2

EEB890	Advanced Information Technology Topics	8	3
	OR		
EEB741	Power Systems Analysis	8	3
EEB789	Project*	15	6
EEB820	Engineering Management	8	3
EEB888	Design 4	10	3
	One Technical Elective	7	3

General Electives

BNB103	General Elective	4	2
EEB600	Starting a Technology Based Business	4	2
FNB125	Personal & Corporate Finance	4	2
HRB121	Management	4	2
ISB393	Computer Based Information Systems	4	2
SSB907	Psychology for Engineers	4	2

Technical Electives

EEB761	Statistical Communications	7	3
EEB841	Mining Electrotechnology	7	3
EEB922	Computer Controlled Systems	7	3
EEB955	Power Electronics Applications	7	3
EEB951	High Voltage Equipment	7	3
EEB961	Communications Techniques	7	3
EEB962	Microwave Systems Engineering	7	3
EEB969	Digital Spectral Analysis	7	3
EEB972	Integrated Electronic Techniques	7	3
MAB895	Introduction to Cryptology	7	4
MAB896	Error Control & Data Compression Techniques+	7	4
MAB920	Coding & Encryption Techniques	12	3
MAB982	Advanced Topics in Cryptology	12	4
EEB954	Electrical Energy Utilisation	7	3
	OR		
	Any altemative core subject not previously completed, or advanced subjects from Computing Science.		

Part-Time Course Structure

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB001	Learning at University#	2	1
CHB002	Introduction to Engineering Chemistry**	2	1
CSB191	Introduction to Computing	4	2
EEB101	Circuits & Measurements	7	3
MAB193	Engineering Mathematics 1*		
MEB121	Engineering Graphics	6	3
PHB132	Engineering Physics 1A	6	3

Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.

Year 1, Semester 2

CSB291	Introduction to FORTRAN	4	2
EEB203	Circuit Analysis	5	3
EEB206	Industrial Experience 1		5 weeks
EEB371	Electronic Devices	5	3

* *Subject extends over two semesters.*

\+ *Not offered in 1992.*

\# *Students may be exempt on the basis of relevant industrial experience. Students must apply for exemption.*

** *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

EEB272	Digital Principles	3	1.5
MAB193	Engineering Mathematics 1*	6	3
PHB232	Engineering Physics 2	6	3

Year 2, Semester 1

COB137	English for Technologists	6	3
EEB303	Network Theory 1	7	3
EEB361	Signals & Systems	7	3
EEB471	Electronics	7	3
MAB493	Engineering Mathematics 2*	6	3

Year 2, Semester 2

EEB202	Electromagnetics	6	3
EEB401	Network Theory 2	6	3
EEB406	Industrial Experience 2		5 weeks
MAB493	Engineering Mathematics 2*	6	3
MEB111	Dynamics	7	3
MEB133	Materials 1	6	3

Year 3, Semester 1

CEB102	Civil Engineering 1	2	1.5
CEB184	Engineering Mechanics 1	7	3
COB142	Communication for Engineers	2	1
EEB302	Electrotechnology	6	3
EEB372	Sequential Logic	7	3
MAB893	Engineering Mathematics 3	6	3

Year 3, Semester 2

EEB400	Electrical Power Systems	6	3
EEB473	Integrated Circuits	6	3
EEB474	Microprocessors	6	3
EEB520	Control Engineering	6	3
EEB606	Industrial Experience 3		5 weeks
MAB894	Engineering Mathematics 4	6	3

Year 4, Semester 1

CSB490	Software Engineering	6	3
EEB404	Electrical Machines	6	3
EEB573	Industrial Electronics	6	3
EEB591	Systems Programming Languages	6	3
EEB620	Control Systems Analysis	6	3

Year 4, Semester 2

EEB430	Engineering Fields	6	3
EEB561	Analogue Communications	6	3
EEB601	Realtime Operating Systems	6	3
EEB602	Signal Processing	6	3
EEB971	Applied Electronics	6	3
	OR		
EEB531	Electrical Power Transmission	6	3

Year 5, Semester 1

EEB553	Electrical Power Equipment	6	3
	OR		
EEB661	Information Theory & Noise	6	3
EEB562	Transmission & Propagation	6	3
EEB587	Design 1	6	3
EEB821	Production Technology & Quality	6	3
EEB742	Power Systems Engineering	7	3

* *Subject extends over two semesters.*

	OR		
EEB968	Digital Signal Processing	7	3
MEB171	Introduction to Manufacturing	2	1

Year 5, Semester 2

EEB621	Advanced Control Systems	6	3
EEB788	Design 2	8	3
EEB820	Engineering Management	8	3
EEB967	Digital Communications	6	3
	One General Elective	4	2

Year 6, Semester 1

EEB662	Microwave & Antenna Technology	7	3
	OR		
EEB652	Power Electronics	7	3
EEB789	Project*	15	6
EEB887	Design 3	6	3
	One Technical Elective	7	3

Year 6, Semester 2

EEB789	Project*	15	6
EEB888	Design 4	10	3
EEB890	Advanced Information Technology Topics	8	3
	OR		
EEB741	Power Systems Analysis	8	3
	One Technical Elective	7	3

Electives
Refer to full-time course structure.

■ Bachelor of Engineering (Mechanical) (ME45)+

Location: Gardens Point campus

Course Duration: 4 years full-time, 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr D. Hargreaves

Professional Recognition
Membership of the Institution of Engineers, Australia.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BNB001	Learning at University	2	1
CEB102	Civil Engineering 1	2	1
CEB184	Engineering Mechanics 1	7	3
CHB002	Introduction to Engineering Chemistry#	2	1
COB137	English for Technologists	6	3
CSB191	Introduction to Computing	4	2

* *Subject extends over two semesters.*

\+ *See Special Note.*

\# *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

EEB101	Circuits & Measurement	7	3
MAB193	Engineering Mathematics 1*	6	3
MEB121	Engineering Graphics	6	3
MEB171	Introduction to Manufacturing	2	1
PHB132	Engineering Physics 1A	6	3

Year 1, Semester 2

CEB185	Engineering Mechanics 2	7	3
CHB344	Engineering Chemistry M	4	2
CSB291	Introduction to FORTRAN	4	2
EEB202	Electromagnetics	6	3
MAB193	Engineering Mathematics 1*	6	3
MEB101	Design 1	8	3
MEB111	Dynamics	7	3
MEB133	Materials 1	6	3
MEB200	Industrial Experience 1		5 weeks

Year 2, Semester 1

EEB209	Electrical Engineering 2M	6	3
MAB493	Engineering Mathematics 2*	6	3
MEB230	Materials 2	6	3
MEB250	Thermodynamics 1	6	3
MEB313	Mechanics 1	6	3
MEB361	Fluids 1	6	3
MEB370	Manufacturing Systems 1	6	3
MEB381	Design 2	6	3

Year 2, Semester 2

MAB493	Engineering Mathematics 2*	6	3
MEB231	Materials 3	6	3
MEB251	Thermodynamics 2	6	3
MEB300	Industrial Experience 2		5 weeks
MEB411	Theory of Machines	7	3
MEB462	Fluids 2	6	3
MEB472	Manufacturing Systems 2	6	3
MEB483	Design 3	7	3
	One Group A Elective Subject	4	2

Year 3, Semester 1

COB143	Technical Writing	2	1
MAB893	Engineering Mathematics 3	6	3
MEB339	Materials & Manufacturing Project	6	3
MEB510	Noise & Vibrations	7	3
MEB511	Stress Analysis	7	3
MEB550	Heat Transfer	6	3
MEB773	Design for Manufacturing 1	7	3
	One Group B Elective Subject	7	3

Year 3, Semester 2

EEB273	Microcomputers in Engineering	4	2
MEB402	Industrial Experience 3		5 weeks
MEB463	Tribology	6	3
MEB610	Mechanics 2	6	3
MEB640	Automation 1	7	3
MEB650	Thermodynamics 3	6	3
MEB660	Fluid Power	6	3
MEB670	Industrial Engineering 1	6	3
	One Group C Elective Subject	7	3

Year 4, Semester 1

MEB464	Fluids 3	7	3
MEB489	Mechanical Design Project*	7	3

* *Subject extends over two semesters.*

MEB710	Automation 2	7	3
MEB771	Industrial Engineering 2	6	3
MEB772	Engineering Project Appraisal	7	3
MEB911	Finite Element Analysis	7	3
	One Group D Elective Subject	7	3

Year 4, Semester 2

FNB116	Financial Management for Engineers	6	3
HRB111	Industrial Management	6	3
MEB408	Project A (Mechanical)	16	6
MEB489	Mechanical Design Project*	7	3
MEB981	Design of Materials Handling Systems	6	3
	One Group E Elective Subject	7	3

Electives

GROUP A

BNB103	General Elective	4	2
EEB600	Starting a Technology Based Business	4	2
ISB393	Computer Based Information Systems	4	2
SSB907	Psychology for Engineers	4	2

GROUP B

MEB450	Air Conditioning	7	3
MEB500	Special Topic 1 (Reliability & Maintenance Optimisation)	7	3
MEB531	Advanced Materials	7	3

GROUP C

MEB601	Special Topic 2 (Maintenance Management & Technology)	7	3
MEB680	Advanced Mechanical Design	7	3
MEB950	Process Plant Design	7	3
MEB976	Computer Integrated Manufacturing	7	3

GROUP D

MEB701	Special Topic 3 (Reliability & Maintenance Optimisation)	7	3
MEB977	Computer Control of Manufacturing Systems	7	3
MEB980	Design of Power Transmission Systems	7	3

GROUP E

MEB800	Special Topic 4 (Maintenance Management & Technology)	7	3
MEB810	Industrial Noise & Vibration	7	3
MEB960	Fluid Systems Design	7	3
MEB975	Design of Manufacturing Systems	7	3

Part-Time Course Structure

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB001	Learning at University	2	1
CEB184	Engineering Mechanics 1	7	3
CHB002	Introduction to Engineering Chemistry+	(2)	(1)
COB137	English for Technologists	6	3
MAB193	Engineering Mathematics 1*	6	3
MEB121	Engineering Graphics	6	3
PHB132	Engineering Physics 1A	6	3
Year 1, Semester 2			
CEB185	Engineering Mechanics 2	7	3
CHB344	Engineering Chemistry M	4	2
MAB193	Engineering Mathematics 1*	6	3
MEB111	Dynamics	7	3

* *Subject extends over two semesters.*

\+ *CHB002 Introduction to Engineering Chemistry is to be taken only by those students not obtaining a 'Sound Achievement' in Year 12 Chemistry.*

MEB133	Materials 1	6	3
MEB200	Industrial Experience 1		5 weeks

Year 2, Semester 1

CEB102	Civil Engineering 1	2	1
CSB191	Introduction to Computing	4	2
EEB101	Circuits & Measurements	7	3
MAB493	Engineering Mathematics 2*	6	3
MEB171	Introduction to Manufacturing	2	1
MEB230	Materials 2	6	3

Year 2, Semester 2

CSB291	Introduction to FORTRAN	4	2
EEB202	Electromagnetics	6	3
EEB273	Microcomputers in Engineering	4	2
MAB493	Engineering Mathematics 2*	6	3
MEB101	Design 1	8	3
	One Group A Elective Subject	4	2

Year 3, Semester 1

MAB893	Engineering Mathematics 3	6	3
MEB250	Thermodynamics 1	6	3
MEB313	Mechanics 1	6	3
MEB361	Fluids 1	6	3
MEB773	Design for Manufacturing 1	7	3

Year 3, Semester 2

MEB231	Materials 3	6	3
MEB251	Thermodynamics 2	6	3
MEB300	Industrial Experience 2		5 weeks
MEB411	Theory of Machines	7	3
MEB462	Fluids 2	6	3
MEB463	Tribology	6	3

Year 4, Semester 1

EEB209	Electrical Engineering 2M	6	3
MEB370	Manufacturing Systems 1	6	3
MEB381	Design 2	6	3
MEB511	Stress Analysis	7	3
MEB550	Heat Transfer	6	3

Year 4, Semester 2

MEB472	Manufacturing Systems 2	6	3
MEB483	Design 3	7	3
MEB610	Mechanics 2	6	3
MEB640	Automation 1	7	3
MEB670	Industrial Engineering 1	6	3

Year 5, Semester 1

COB143	Technical Writing	2	1
MEB464	Fluids 3	7	3
MEB510	Noise & Vibrations	7	3
MEB772	Engineering Project Appraisal	7	3
MEB911	Finite Element Analysis	7	3
	One Group B Elective Subject	7	3

Year 5, Semester 2

MEB339	Materials & Manufacturing Project	6	3
MEB402	Industrial Experience 3		5 weeks
MEB650	Thermodynamics 3	6	3
MEB660	Fluid Power	6	3

* *Subject extends over two semesters.*

MEB981	Design of Materials Handling Systems	6	3
	One Group C Elective Subject	7	3

Year 6, Semester 1

MEB409	Project B (Mechanical)*	8	3
MEB489	Mechanical Design Project*	7	3
MEB710	Automation 2	7	3
MEB771	Industrial Engineering 2	6	3
	One Group D Elective Subject	7	3

Year 6, Semester 2

FNB116	Financial Management for Engineers	6	3
HRB111	Industrial Management	6	3
MEB409	Project B (Mechanical)*	8	3
MEB489	Mechanical Design Project*	7	3
	One Group E Elective Subject	7	3

Electives
Refer to full-time course structure.

Associate Diploma in Cartography (SV24)

Course Discontinued: No further intakes

Location: Gardens Point campus

Course Duration: 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Basil Pathe

Professional Recognition
Associate Membership of the Australian Institute of Cartographers.

Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
SVT115	Cartographic Computations 1	8	3
SVT471	Land Laws & Regulations	8	3
SVT715	Cartography 1*	8	3
Year 2, Semester 2			
SVT225	Surveying	8	3
SVT243	Photogrammetry 1	8	3
SVT815	Cartography 2*	8	3
Year 3, Semester 1			
SVT511	CAD Systems	8	3
SVT513	Digital Mapping	8	3
SVT715	Cartography 1	8	3
Year 3, Semester 2			
COX107	Seminar	4	1.5
SVT623	Project Mapping	4	1.5

* *Subject extends over two semesters.*

SVT642	Map Projections 1	8	3
SVT815	Cartography 2	8	3

Year 4, Semester 1

SVT742	Map Projections 2	8	3
SVT915	Cartography 3	8	3
SVT992	Computer Graphics 2	8	3

Year 4, Semester 2

SVT826	Cartographic Administration	8	3
SVT916	Cartography 4	8	3
SVT945	Remote Sensing	8	3

Associate Diploma in Civil Engineering (CE21)

Note: There are two majors to the course, a General Major and a Water and Wastewater Process Operation Major. The General Major is offered both full-time and part-time. The Water and Wastewater Process Operation Major is offered in the part-time mode, subject to quotas.

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time.

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Robin Black

Professional Recognition

Membership of the Australian Institute of Engineering Associates and of the Institute for Drafting and Design, Australia.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**

GENERAL MAJOR

Year 1, Semester 1

CET120	Civil Systems	7	3
CET135	Engineering Mechanics	7	3
CET180	Civil Drafting Practice A	3	3
CET195	Civil Engineering 1	7	3
CET815	Road Location & Design	7	3
CET894	Computations A	3	3
MET120	Engineering Drawing 1	7	3
SVT306	Engineering Surveying	7	3

Year 1, Semester 2

CET190	Civil Engineering Materials	7	3
CET235	Laboratory Practice A	3	3
CET255	Structural Mechanics	7	3
CET286	Civil Office Practice	7	3
CET287	Civil Office Practice A	3	3
CET365	Hydraulic Engineering	7	3
CET435	Concrete Practice	7	3
CET645	Soil Mechanics	7	3

Year 2, Semester 1

CET306	Field Practice 1A	3	3
CET387	Civil Engineering Drafting A	3	3
CET565	Road & Drainage Engineering	7	3
CET585	Civil Engineering Drafting	7	3
CET756	Building Construction Practice	7	3
CET775	Public Health Engineering	7	3
	One Subject from List B	7	3
	One Elective Subject	7	3

Year 2, Semester 2

CET405	Field Practice 2A	3	3
CET495	Project A	3	3
CET704	Civil Construction Practice	7	3
CET708	Specifications & Estimates	7	3
	Two Subjects from List B	14	6
	Two Elective Subjects	14	6

Generally a full-time student will gain 24 credit points by successfully completing six practical experience subjects designated by the suffix A after the subject name, and a part-time student will gain 24 credit points for successfully completing 120 weeks industrial employment. However, a combination of practical experience subjects and industrial employment totalling 24 credit points will be accepted. Forms for obtaining credit for industrial employment are available from the Faculty office. Details of acceptable industrial employment can be obtained from the Course Coordinator.

Part-Time Course Structure

Part-time students shall have engaged in at least 120 weeks of approved employment, i.e. 15 weeks for each of the eight Industrial Employment subjects, before being eligible for the Associate Diploma award. For the employment to be recognised, students must submit an industrial experience record form, provided for the purpose, which has been completed by both the student and the employer. These forms may be collected from the Vacation Employment Officer in the Faculty Office.

The first four semesters are common to the General and Water and Wastewater Process Operation Majors.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNT100	Industrial Employment 1	3	15 weeks
CET135	Engineering Mechanics	7	3
CET195	Civil Engineering	7	3
MET120	Engineering Drawing 1	7	3
Year 1, Semester 2			
BNT200	Industrial Employment 2	3	15 weeks
CET190	Civil Engineering Materials	7	3
CET255	Structural Mechanics	7	3
CET286	Civil Office Practice	7	3
Year 2, Semester 1			
BNT300	Industrial Employment 3	3	15 weeks
CET120	Civil Systems 1	7	3
CET815	Road Location & Design	7	3
SVT306	Engineering Surveying	7	3

Year 2, Semester 2

BNT400	Industrial Employment 4	3	15 weeks
CET365	Hydraulic Engineering	7	3
CET435	Concrete Practice	7	3
CET645	Soil Mechanics	7	3

Year 3, Semester 1

BNT500	Industrial Employment 5	3	15 weeks
CET565	Road & Drainage Engineering	7	3
CET585	Civil Engineering Drafting	7	3
CET775	Public Health Engineering	7	3

Year 3, Semester 2

BNT600	Industrial Employment 6	3	15 weeks
CET708	Specifications & Estimates	7	3
CET756	Building Construction Practice	7	3
	One Subject from List B	7	3

Year 4, Semester 1

BNT700	Industrial Employment 7	3	15 weeks
CET704	Civil Construction Practice	7	3
	One Elective Subject	7	3
	One Subject from List B	7	3

Year 4, Semester 2

BNT800	Industrial Employment 8	3	15 weeks
	One Subject from List B	7	3
	Two Elective Subjects	14	6

List B Subjects

FIRST SEMESTER

CET606	Construction Management (Evening)	7	3
CET655	Concrete & Steel Design (Day)	7	3
CET787	Structural Engineering Drawing (Evening)	7	3
EST219	Engineering Geology	7	3

SECOND SEMESTER

CET655	Concrete & Steel Design (Evening)	7	3
CET787	Structural Engineering Drawing (Day)	7	3
CET887	Computer Aided Drafting (Day & Evening)	7	3
HRX111	Safety & Industrial Relations (Evening)	7	3

Elective Subjects for General Major – Full-Time and Part-Time Study

FIRST SEMESTER

CET703	Civil Engineering Practice 1	7	3
CET707	Municipal Engineering (Evening)	7	3
CET735	Advanced Laboratory Testing 1	7	3
CET797	Project 1	7	3
CHA145	Introductory Chemistry (Evening)	8	3
EST219	Engineering Geology	7	3
MET140	Engineering Materials 1	8	3

SECOND SEMESTER

CET420	Civil Systems 2	7	3
CET797	Project 1	7	3
CET802	Civil Engineering Practice 2	7	3
CET838	Advanced Laboratory Testing 2	7	3
CET856	Advanced Construction Techniques	7	3
CET888	Structural Drawing & Design (Day)	7	3

Up to 21 credit points of subjects from other modes or strands of this course or from other QUT courses may be approved by the Head of School as alternatives to the listed

electives. The number of elective subjects available is dependent upon a sufficient number of students being enrolled.

Degree level subjects may be selected as electives with the approval of the Head of School.

WATER AND WASTEWATER PROCESS OPERATION MAJOR
(Semesters 1 to 4 are common to the General Major.)
Students must complete the first set of four subjects or the second set of two subjects.

Year 3, Semester 1

CET565	Road & Drainage Engineering	7	3
CET585	Civil Engineering Drafting	7	3
CET775	Public Health Engineering	7	3
BNT500	Industrial Employment 5	3	15 weeks
	OR		
CET598	Project 2	21	9

Year 3, Semester 2

BNT600	Industrial Employment 6	3	15 weeks
CET776	Equipment Operation & Maintenance	7	3
CHA145	Introductory Chemistry	8	3
CHA644	Process Measurement & Monitoring 1	7	3

Year 4, Semester 1

BNT700	Industrial Employment 7	3	15 weeks
CET606	Construction Management	7	3
CET777	Process Operation & Control 1	7	3
CHA744	Process Measurement & Monitoring 2	7	3

Year 4, Semester 2

BNT800	Industrial Employment 8	3	15 weeks
CET876	Plant Operation & Maintenance	7	3
CET877	Process Operation & Control 2	7	3
CHA844	Trade Waste Control	7	3

■ Associate Diploma in Electrical Engineering (EE22)

Location: Gardens Point campus

Course Duration: 1 year full-time plus 2 years part-time, 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Edwards

Professional Recognition
Membership of the Australian Institute of Engineering Associates and of the Institute for Drafting and Design, Australia.

Note: Students are required to select two of the following four modules as their majors: Computer Systems, Industrial Systems, Power or Telecommunications.

			Credit Points	Contact Hrs/Wk
COMPUTER SYSTEMS MODULE				
EET590	Microprocessor Systems	(a)	7	3
EET690	Computer Organisation	(b)	7	3
EET791	Computer Programming 2	(c)	7	3
EET891	Advanced Computing Techniques	(d)	7	3
INDUSTRIAL SYSTEMS MODULE				
EET522	Control Systems 2	(a)	7	3
EET678	Applied Electronics	(b)	7	3
EET720	Modern Control Technology	(c)	7	3
EET870	Industrial Electronics	(d)	7	3
POWER MODULE				
EET642	Electrical Power Systems 1	(a)	7	3
EET650	Electrical Equipment	(b)	7	3
EET753	Testing & Commissioning Techniques	(c)	7	3
EET840	Substations & Protection Systems	(d)	7	3
TELECOMMUNICATIONS MODULE				
EET560	Communications Engineering 1	(a)	7	3
EET737	Transmission & Propagation	(b)	7	3
EET760	Communications Engineering 2	(c)	7	3
EET860	Communications Technology	(d)	7	3

Full-Time/Part-Time Course Structure			**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1				
CST390	Computer Programming 1		7	3
EET100	Electrical Engineering Computations		7	3
EET111	Electrical Engineering 1		7	3
EET211	Electrical Engineering 2		7	3
MET101	Engineering Drawing		7	3
MET123	Electrical Engineering Drawing 1A		3	3
MET175	Workshop (Mech) 1A		3	3
MET475	Workshop (Mech) 3A		3	3
Year 1, Semester 2				
EET270	Electronics 1		7	3
EET350	Electrical Engineering 3		7	3
EET420	Control Systems 1		7	3
EET460	Telecommunications		7	3
EET490	Computer Packages		7	3
EET676	Digital Electronics		7	3
MET201	Applied Mechanics		7	3
MET223	Electrical Engineering Drawing 2A		3	3
Year 2, Semester 1				
BNT500	Industrial Employment 5		3	15 weeks
EET570	Electronics 2		7	3
	Major 1	(a)	7	3
	Major 2	(a)	7	3
Year 2, Semester 2				
BNT600	Industrial Employment 6		3	15 weeks
MET600	Materials for Electrical Engineers		4	1.5
MET601	Mechanical Plant		3	1.5
	Major 1	(b)	7	3
	Major 2	(b)	7	3

Year 3, Semester 1

BNT700	Industrial Employment 7		3	15 weeks
	ONE Elective Subject		7	3
	Major 1	(c)	7	3
	Major 2	(c)	7	3

Year 3, Semester 2

BNT800	Industrial Employment 8		3	15 weeks
EET880	Design		7	3
	Major 1	(d)	7	3
	Major 2	(d)	7	3

Exemption from the practical experience subjects, designated by the suffix A after the subject name in the full-time course, may be granted on the basis of appropriate industrial experience. Written application must be made to the Registrar on an application for exemption form.

Students enrolled in the one year full-time/two years part-time Associate Diploma in Electrical Engineering shall have engaged in at least 60 weeks of approved employment, ie. 15 weeks for each of the four Industrial Employment subjects, before being eligible for the Associate Diploma award. An industrial experience record form, as for part-time students, must be submitted.

Part-Time Course Structure

Normally, part-time students shall have engaged in at least 120 weeks of approved employment, ie. 15 weeks for each of the eight Industrial Employment subjects, before being eligible for the Associate Diploma award. For the employment to be recognised, students must submit an industrial experience record form, provided for the purpose, which has been completed by both the student and the employer. However, a combination of practical experience subjects and industrial experience totalling 24 credit points will be accepted.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNT100	Industrial Employment 1	3	15 weeks
EET100	Electrical Engineering Computations	7	3
EET111	Electrical Engineering 1	7	3
MET101	Engineering Drawing	7	3
Year 1, Semester 2			
BNT200	Industrial Employment 2	3	15 weeks
EET211	Electrical Engineering 2	7	3
EET270	Electronics 1	7	3
MET201	Applied Mechanics	7	3
Year 2, Semester 1			
BNT300	Industrial Employment 3	3	15 weeks
CST390	Computer Programming 1	7	3
EET350	Electrical Engineering 3	7	3
EET676	Digital Electronics	7	3
Year 2, Semester 2			
BNT400	Industrial Employment 4	3	15 weeks
EET420	Control Systems 1	7	3
EET460	Telecommunications	7	3
EET490	Computer Packages	7	3

Year 3, Semester 1

BNT500	Industrial Employment 5		3	15 weeks
EET570	Electronics 2		7	3
BNT600	Industrial Employment 6		3	15 weeks
	Major 1	(a)	7	3
	Major 2	(a)	7	3

Year 3, Semester 2

MET600	Materials for Electrical Engineers		4	1.5
MET601	Mechanical Plant		3	1.5
	Major 1	(b)	7	3
	Major 2	(b)	7	3

Year 4, Semester 1

BNT700	Industrial Employment 7		3	15 weeks
	One Elective Subject		7	3
	Major 1	(c)	7	3
	Major 2	(c)	7	3

Year 4, Semester 2

BNT800	Industrial Employment 8		3	15 weeks
EET880	Design		7	3
	Major 1	(d)	7	3
	Major 2	(d)	7	3

Note:

1. Majors 1 and 2 refer to subjects taken from two of the four modules, viz., Computer Systems, Industrial Systems, Power or Telecommunications; (a), (b), (c) and (d) refer to subjects within each module.

2. For the elective, a subject may be chosen from any other module which runs in the same semester. Degree level subjects may be selected as electives with the approval of the Head of School.

3. A registered student who has completed the following trade courses in Queensland may apply to be exempted from the following subjects. Prior approval is not necessary to gain exemption if these courses are studied concurrently with a QUT course. A student enrolled in an apprenticeship training course who wishes to defer a subject, in anticipation of an exemption, must make written application to the Registrar.

- EET111 Electrical Engineering 1 – Fitter (Instrumentation); Electrical Fitter and/or Mechanic; Radio and/or Television Mechanic; Telecommunications Certificate
- EET350 Electrical Engineering 3 – Electrical Fitter and Mechanic

Associate Diploma in Mechanical Engineering (ME23)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Richard Hall

Professional Recognition

Membership of the Australian Institute of Engineering Associates and of the Institute for Drafting and Design, Australia (Queensland Division).

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
MET120	Engineering Drawing 1	7	3
MET121	Drafting Practice 1A	3	3
MET140	Engineering Materials 1	8	3
MET171	Trade Training 1A	6	7
MET210	Applied Mechanics 1	8	3
MET560	Thermofluids	8	3
MET940	Mechanical Measurements	8	3
Year 1, Semester 2			
CSA165	Computing	7	3
MET170	Manufacturing Technology	8	3
MET220	Engineering Drawing 2	8	3
MET221	Drafting Practice 2A	3	3
MET271	Trade Training 2A	6	7
MET310	Applied Mechanics 2	8	3
MET433	Engineering Materials 2	8	3
Year 2, Semester 1			
EET500	Electrical Technology	6	3
MET250	Thermodynamics	6	3
MET320	Engineering Drawing 3	6	3
MET572	Production Planning & Control	6	3
MET580	Machine Elements 1	6	3
MET920	Computer Aided Design & Drafting	6	3
MET933	Industrial Tribology	6	3
	One Elective Subject	6	3
Year 2, Semester 2			
MET350	Process Engineering	7	3
MET420	Engineering Drawing 4	7	3
MET421	Mechanical Project 1A	3	3
MET573	CAD/CAM Technology	7	3
MET650	Plant Engineering 1A	3	3
MET961	Fluid Mechanics	7	3
MET971	Industrial Practice	7	3
	One Elective Subject	7	3
Electives			
FIRST SEMESTER			
EEB101	Circuits & Measurements*	7	3
MAB193	Engineering Mathematics 1*	6	3
MET511	Noise, Stress & Vibration Practice	6	3
MET733	Industrial Metallurgy	6	3
MET782	Jig & Tool Design	6	3
MET850	Energy Management	6	3
PHB132	Engineering Physics 1A*	6	3
SECOND SEMESTER			
MAA251	Statistics & Data Processing	8	3
MAB193	Engineering Mathematics 1*	6	3
MEB111	Dynamics*	7	3
MET352	Air Conditioning & Refrigeration	7	3
MET680	Machine Elements 2	7	3
MET960	Fluid Power	7	3

Note:

1. From time to time a series of special electives may be made available to meet industrial demand provided both student numbers and staff resources can justify their inclusion in the course.

2. Degree level subjects (*) may be selected as electives with the approval of the Head of School.

3. Generally, a full-time student will gain 24 credit points by successfully completing six practical experience subjects designated by the suffix A after the subject name and a part-time student will gain 24 credit points for successfully completing 120 weeks of industrial employment. However, a combination of practical experience subjects and industrial employment totalling 24 credit points will be accepted.

4. A registered student who has completed the following trade courses in Queensland may apply to be exempted from the following subjects. Prior approval is not necessary to gain exemption if these courses are studied concurrently with a QUT course. A student enrolled in an apprenticeship training course who wishes to defer a subject, in anticipation of an exemption, must make written application to the Registrar.

- MET170 Manufacturing Technology – Mechanical Fitter; Toolmaker

Part-Time Course Structure

Part-time students shall have engaged in at least 120 weeks of approved employment, ie, 15 weeks for each of the eight Industrial Employment subjects, before being eligible for the Associate Diploma award. For the employment to be recognised, students must submit an industrial experience record form, provided for the purpose, which has been completed by both the student and the employer.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNT100	Industrial Employment 1	3	15 weeks
MET120	Engineering Drawing 1	7	3
MET140	Engineering Materials 1	8	3
MET210	Applied Mechanics 1	8	3
Year 1, Semester 2			
BNT200	Industrial Employment 2	3	15 weeks
MET220	Engineering Drawing 2	8	3
MET310	Applied Mechanics 2	8	3
MET433	Engineering Materials 2	8	3
Year 2, Semester 1			
BNT300	Industrial Employment 3	3	15 weeks
MET320	Engineering Drawing 3	6	3
MET560	Thermofluids	8	3
MET940	Mechanical Measurements	8	3
Year 2, Semester 2			
BNT400	Industrial Employment 4	3	15 weeks
CSA165	Computing	7	3
MET170	Manufacturing Technology	8	3
MET420	Engineering Drawing 4	7	3
Year 3, Semester 1			
BNT500	Industrial Employment 5	3	15 weeks
EET500	Electrical Technology	6	3

MET250	Thermodynamics	6	3
MET580	Machine Elements 1	6	3

Year 3, Semester 2

BNT600	Industrial Employment 6	3	15 weeks
MET573	CAD/CAM Technology	7	3
MET920	Computer Aided Design & Drafting	6	3
MET961	Fluid Mechanics	7	3

Year 4, Semester 1

BNT700	Industrial Employment 7	3	15 weeks
MET572	Production Planning & Control	6	3
MET933	Industrial Tribology	6	3
	One Elective Subject	6	3

Year 4, Semester 2

BNT800	Industrial Employment 7	3	15 weeks
MET350	Process Engineering	7	3
MET971	Industrial Practice	7	3
	One Elective Subject	7	3

Electives

The list of Electives is the same as for the full-time course.