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Academic Programs

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UNIVERSITY-WIDE AND INTERFACULTY COURSES

Courses

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UNIVERSITY-WIDE AND INTERFACULTY COURSES

Course Structures

■ Doctor of Philosophy (IF49)

Introduction

The main purpose of graduate study is to encourage independence and originality of thought in the quest for knowledge. The Doctor of Philosophy degree is awarded in recognition of a student's erudition in a broad field of learning and for notable accomplishment in that field through an original and substantial contribution to knowledge. The candidate's research must reveal high critical ability and powers of imagination and synthesis, and may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

1. General Conditions

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

1.2. This document sets out the Regulations governing the award of the degree of PhD.

1.3. The Council's power to approve arrangements for the registration and examination of candidates for the degree of PhD is exercised through a Research Management Committee, which shall be a subcommittee of Academic Committee. In exercising this power, the Research Management Committee shall be advised by faculty academic boards, deans of faculty and heads of school, as appropriate.

1.4. In order to qualify for the award of the degree of PhD, a candidate must submit to the Research Management Committee:

- a certificate of satisfactory completion of the candidate's approved course of study signed by the Principal Supervisor
- a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the Research Management Committee
- a certificate recommending acceptance of the thesis in fulfilment of the conditions for the award of the PhD degree signed by each member of the faculty panel that recommended examination of the thesis and the Examination Committee which accepted it
- an application for conferral of the degree, and
- four copies of the thesis in the required format.

2. Registration

2.1.1. A candidate may register either as a full-time or as a part-time student (see also Section 4). To be registered as a full-time student, a candidate must be able to commit to the course 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.

2.1.2. A candidate who is unable to devote to the course the proportion of time specified in Section 2.1.1 may register as a part-time student.

2.1.3. A candidate's program of research or other approved investigation may be based at a place of employment or a sponsoring institution (see Section 7). Normally, support of the sponsoring establishment for the candidate's application is required for registration.

2.1.4. A sponsoring establishment is required to certify annually by 31 December that all registered PhD candidates sponsored by that organisation are actively engaged in their course of study, and are maintaining frequent contact with their local supervisor.

2.2. To gain registration in a course of study leading to the award of a Doctor of Philosophy, a candidate normally shall hold a relevant first class or second class division A honours degree or an appropriate master degree (by coursework or by thesis) of the QUT or of another recognised institution.

2.3 Before accepting an application for registration, the Research Management Committee must satisfy itself that the candidate has sufficient command of English to complete satisfactorily the proposed course of study, to pass an oral examination in English as described in Section 9.2, and to prepare a thesis in English.

2.4 Without the specific permission of the Research Management Committee, students may not be registered as candidates for a PhD degree if they are registered candidates for another tertiary award.

2.5 The Research Management Committee may cancel a candidate's registration if:

- after consulting a candidate's supervisors and having taken account of all relevant circumstances, the Committee 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), or
- the candidate's grade point average in coursework undertaken is below 5.00 on a 7 point scale.

2.6 A student whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue an investigation which is substantially the same as his/her previous investigation, may be re-admitted under such conditions as the Research Management Committee shall prescribe.

3. Course of Study

3.1. A candidate for the degree of Doctor of Philosophy is required to complete successfully a course of study which results in a substantial contribution to knowledge. This contribution may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

3.2. The course of study normally will include:

- a program of assessed coursework
- participation in university scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

The course of study must be such as to enable the candidate to acquire competence in relevant methods of research and scholarship related to the subject of the proposed investigation, and to display sustained independent effort.

3.3 Coursework at doctoral 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 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.

3.4 Coursework will occupy not more than half of the total period of registration (see Section 4).

3.5 An application for registration should set out systematically and fully the candidate's intended course of study. The description should include the area of study within which the candidate's course lies, the coursework to be undertaken, the nature of participation in scholarly activities of the centre, school or faculty in which the study is being undertaken, the objectives of the proposed program of research and investigation, its relationship to previous work in the same field, the research methods to be followed, and the proposed title of the thesis to be written.

3.6 A candidate is normally expected to pursue the approved program of research and investigation throughout the period of registration. Where circumstances make modification or extension of the program desirable, approval for the proposed change must be sought in writing from the Research Management Committee. Permission to maintain the candidate's registration may be given by the Committee in such circumstances, provided that the course of study remains in the same field.

3.7 Where a candidate's approved program of research and investigation forms part of a group project, the application must indicate clearly the individual contribution expected to be made by the candidate, and the extent to which the work is to be carried out in collaboration with others (see also Section 8.4).

3.8 Where an approved program of research and investigation is carried out jointly in QUT and in an industrial, commercial, professional or research establishment, the nature of the work to be carried out in each need not be prescribed in detail initially, but a clear indication must be provided of the way in which the work that the candidate is likely to undertake in the collaborating establishment relates to work to be undertaken at QUT or elsewhere.

3.9 In appropriate cases, the Research Management Committee may approve a course of study leading to the presentation of a thesis accompanied by material in other than written form, or exceptionally, in lieu of a research program, a program of scholarly postgraduate work concerned with significant aspects of industrial, commercial or professional activity. Such approval must be sought from the Research Management Committee at the time of application for registration or when approval to modify the course of study is sought. At the same time, arrangements for the examination of such candidates should

be proposed for approval by the Research Management Committee, including details of the form which the candidate's presentation is expected to take.

4. Period of Time for Completion of Course of Study

4.1. A full-time candidate who does not hold a master degree appropriate to the course of study will normally be required to complete a period of registration of at least 30 months before submitting the thesis for examination. The corresponding period in the case of a part-time candidate shall be 42 months. In special cases the Research Management Committee may approve a shorter period.

4.2. A holder of a master degree appropriate to the course of study may submit the thesis for examination after not less than 24 months of registration if a full-time student, or 36 months if a part-time student. In special cases the Research Management Committee may approve a shorter period.

4.3. Without the permission of the Research Management Committee, no full-time candidate for the degree of PhD shall submit a thesis for examination more than 48 months from the date on which registration in the program was granted. The corresponding period in the case of a part-time candidate shall be 60 months.

4.4. Where a candidate wishes to change from full-time to part-time registration, or vice versa, application must be made in writing to the Research Management Committee. All such applications must specify the revised date of expected completion.

4.5. Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate's progress shall be presented to the Research Management Committee, together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, it may set a limit to the maximum period of registration in the PhD program.

5. Transfer of Registration

5.1. Where a candidate has undertaken part of a proposed course of study as a registered student in another institution, this period of registration may, on application in writing to the Research Management Committee at the time of application for registration, be counted towards the candidate's period of registration in the QUT course. The application must include details of the work already undertaken, the reasons for the transfer and the expected date of completion.

5.2. A candidate registered for a master degree at QUT or elsewhere may apply for transfer to the PhD degree.

5.3. Application for transfer of registration from a master degree must be made on the prescribed form and normally may be made after at least 12 months registration in the master degree. The candidate shall prepare for the Research Management Committee a detailed progress report, and the Committee shall seek the advice of the candidate's supervisors. Where coursework has been undertaken as part of the master degree, a transfer normally may be approved only if the candidate has attained a grade point average of at least 5.00 on a 7 point scale.

5.4. Applications for transfer normally should be submitted at least 24 months in advance of the probable date of submission of the PhD thesis.

5.5. The registration period for the PhD shall include such prior registration approved by the Research Management Committee.

5.6 The periods of minimum and maximum time for presentation of the thesis shall be extended by eight months for candidates who were admitted to a master degree from a pass degree.

5.7 A candidate registered for the degree of PhD who is unable to complete the approved course of study may apply for transfer to an appropriate master degree.

6. Supervision

6.1. Normally two supervisors shall be appointed for each PhD candidate.

6.2. One supervisor shall be the Principal Supervisor, with responsibility for supervising the candidate on a frequent basis. The Principal Supervisor shall be a member of QUT staff. A Principal Supervisor normally shall have undertaken the successful supervision of research degree candidates. Where a Principal Supervisor is proposed who has not undertaken such supervision, an Associate Supervisor (see Section 6.3) should have had such experience.

6.3. An Associate Supervisor may be appointed either from QUT or from elsewhere. Where appropriate, more than one Associate Supervisor may be appointed. The Research Management Committee may approve the appointment as Associate Supervisor of a person without experience sufficient to satisfy appointment as a Principal Supervisor. Where collaboration has been arranged between QUT and another organisation, the latter is expected to recommend to the Committee a member of its staff as an Associate Supervisor.

6.4 The Research Management Committee must be satisfied regarding the qualifications and experience of all proposed supervisors.

6.5 The Principal Supervisor is required to report every six months to the Research Management Committee on progress made by the candidate. Each progress report is to be sighted by the candidate and submitted through the head of school.

7. Place and Conditions of Work

7.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

7.2 The Research Management Committee must be satisfied that arrangements as set out in these regulations regarding coursework, participation in scholarly activities, supervision, facilities and training in research methods may be made for the candidate, and that accommodation, equipment and access to library and computing facilities meet the needs of the approved course of study.

8. Thesis

8.1. The thesis must be presented in accordance with the requirements of the Council, including any accompanying declarations (see Section 1).

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

8.3. The thesis must include a statement of the objectives of the investigation, and must acknowledge published or other sources of information, together with any substantial financial assistance received.

8.4. Where a candidate's research program forms part of a collaborative group project, the thesis must indicate clearly the candidate's individual contribution and the extent to which co-workers contributed to the candidate's program.

8.5. Subject to QUT's intellectual property policy, the copyright of the thesis is vested in the candidate.

8.6. 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 Examination Committee recommends acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

9. Examinations

9.1. Any fees payable in relation to the examination of a candidate shall be determined by the Council.

9.2. In order to determine whether the thesis is acceptable for examination by the Examination Committee, and subject to the provisions of Section 9.3, the candidate shall be examined orally by the faculty to which he/she is attached. The examination will be based on:

- the work described in the thesis, and
- the field of study in which the investigation lies.

The faculty shall advertise or otherwise arrange for the oral examination which should be attended by all available members of the Examination Committee. The examination shall be conducted by a panel of three nominated by the faculty and chaired by the Principal Supervisor. Sufficient copies of the thesis, bound in temporary cover, must be presented to the Chairperson of the faculty examining panel so as to provide a copy for each member of the panel and each attending member of the Examination Committee. The faculty examining panel shall use the prescribed form when advising the faculty and the Research Management Committee that the thesis meets with their approval.

9.3. Where for good and sufficient reasons the Research Management Committee is satisfied that a candidate would be seriously disadvantaged if required to undergo an oral examination, an alternative form of examination may be approved. Such approval shall not be given solely on the grounds that the candidate's knowledge of the English language is inadequate (see Section 2.3).

9.4. The thesis shall normally be examined by an Examination Committee comprising at least two external examiners and not more than one internal examiner. The internal examiner normally shall chair the Committee. If there is no internal examiner, then the Research Management Committee shall appoint a chairperson.

9.5. Subject to agreement between supervisors and not later than six months before the proposed date for the submission of the thesis, the Principal Supervisor is required to recommend to the Research Management Committee the composition of a proposed Examination Committee, together with the title of the candidate's thesis.

9.6. Four copies of the thesis in the required format must be presented to the Research Management Committee together with certification that the approved course of study has been completed and the thesis accepted by the faculty to which the candidate is attached (see Section 9.2). Receipt of the thesis by the Research Management Committee shall constitute the submission of the candidate's thesis for examination.

9.7. The candidate's Principal Supervisor shall forward arrangements for examination of the thesis through the faculty to the Research Management Committee for approval.

9.8. In exceptional circumstances, the Research Management Committee may act directly to make suitable arrangements for the examination of a candidate, including the selection of examiners.

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

9.10 The external examiners must be independent of both the University and the sponsoring establishment, if any.

9.11 External examiners should normally have substantial research experience in the area under investigation. At least one external examiner must also have had experience of examining research degree candidates at the doctoral level.

9.12. The internal examiner, if any, may be an Associate Supervisor.

9.13. The internal examiner must have experience of research in the general field under investigation and, where practicable, should have specialist knowledge of the area in which the investigation was conducted.

9.14. The Research Management Committee shall provide the examiners with a copy of the thesis and of the Council's PhD Regulations, and with any other relevant information.

9.15. When the examiners are in agreement with respect to the thesis, the Chairperson shall transmit the result of the examination on the prescribed form to the Chairperson of the Research Management Committee. The examiners' report shall recommend:

- (i) that the degree be awarded, with or without minor modifications to the thesis, or
- (ii) that the candidate be re-examined, or
- (iii) that the degree not be awarded.

When the recommendation is that the degree be awarded, the Chairperson must return an Examiners' Report together with a certificate signed by each examiner recommending acceptance of the thesis in fulfillment of the conditions for the award of the PhD degree. A copy of the thesis, together with the certification by the faculty examiners and the Examination Committee will then be lodged in the QUT Library. A copy will be sent at the same time to the sponsoring establishment, if any.

9.16. If the examiners cannot reach agreement, they shall submit separate reports and recommendations to the Research Management Committee. The Committee may then:

- (i) not award the degree, or
- (ii) accept a majority recommendation with or without the advice of a further external examiner.

9.17 A candidate who fails to satisfy the Research Management Committee at the first attempt may, on the recommendation of the examiners and with the approval of the Research Management Committee, be re-examined not more than once. Application must be made to the Research Management Committee for approval of the re-examination arrangements.

9.18 Re-examination shall take place within 12 months from the date on which the candidate is advised in writing of such re-examination. The Research Management Committee may, on application by the candidate and supported by the Principal Supervisor, approve an extension of this period.

9.19 The examiners must give the candidate guidance on the deficiencies identified by the first examination.

9.20 The Research Management Committee may require that an additional external examiner be appointed for the re-examination.

9.21 Regulations applicable to examinations generally shall apply to the re-examination.

9.22 The examiners may recommend that a candidate who has been examined for the degree of PhD be awarded the degree of Master, provided that the candidate meets or can meet the requirements of a Master's program.

■ Master of Applied Science (Research)

This research program is available in:

- the Faculty of Built Environment and Engineering (BN71)
- the Faculty of Health (HL84)
- the Faculty of Information Technology (IT84).

For the corresponding program in the Faculty of Science, refer to the description of Master of Applied Science (SC80) in the Faculty of Science entry.

Introduction

The objectives of the course are:

- to provide postgraduate educational opportunities in specialised fields of applied science by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge
- to provide further education in research methods
- to enable graduates employed in industry to undertake further education by research and thesis
- to enable industrial organisations and other external agencies to sponsor a student research program under the control and supervision of the faculty
- to further relationships between the University and industry or other external agencies engaged in applied science, to their mutual advantage.

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 procedure relating to research degrees is exercised through a Research Management Committee which shall be 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 the Research Management Committee on progress made by research master degree candidates.

1.4 Unless the context otherwise indicates or requires, the words 'academic board' and 'faculty' shall refer to the faculty in which the candidate registers.

1.5 In order to qualify for the award of the degree of Master of Applied Science, a candidate must:

- have completed the approved course of study under the supervision prescribed by the academic board
- have submitted and the academic board have accepted a thesis prepared under the supervision of the supervisor
- have completed any other work prescribed by the academic board, and
- submit to the 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 The minimum academic qualifications for admission to a program leading to a Master of Applied Science (Research), shall be:

- possession of a bachelor degree in health science, applied science or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

2.4 Additional requirements for admission to a particular program may be laid down by the academic board.

2.5 In considering an applicant for registration the academic board shall, in addition to assessing the applicant's suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.6 A candidate may register either as a full-time or as a part-time student. To be registered as a full-time student, a candidate must be able to commit to the course 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.

2.7 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate's application is required for registration.

2.8 A candidate shall be registered initially as:

- a graduate student (provisional), or
- a graduate student.

A graduate student (provisional) becomes a graduate student when registration is confirmed. Applicants not holding an appropriate honours degree or its equivalent shall normally be given provisional registration.

2.9 A candidate shall receive confirmed registration as a graduate student when he/she:

- has satisfied the requirements for admission and achieved by work and study a standard recognised by the academic board, or
- has been accepted for provisional registration in the faculty and has achieved, by subsequent work and study, a standard recognised by the academic board

- has satisfied the academic board that he/she is a fit person to undertake the program
- has satisfied the academic board that he/she can devote sufficient time to the research and study.

2.10 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).

2.11 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a research program which is the same or essentially the same as the previous program may be re-admitted under such conditions as the academic board may prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Applied Science shall undertake a program of research and investigation on a topic approved by the academic board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

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

3.3 A candidate may be required by the academic board to undertake an appropriate course of study concurrently with the research program.

The course of study normally will include:

- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

3.4 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 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.

3.5 Coursework will occupy not more than half of the total period of registration.

3.6 An application for registration should set out systematically and fully the candidate's intended course of study. The description should include the area of study within which the candidate's course lies, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time graduate student (provisional) shall not be eligible for confirmation of registration as a graduate student until a period of at least 12 months has elapsed from initial registration. The corresponding period in the case of a part-time student shall be at least 24 months.

4.2 A registered graduate student shall present the thesis for examination after a period of at least one year for a full-time student or two years for a part-time student has elapsed from the time of confirmed registration, except in the case of special permission granted under 4.4. In special cases the academic board may approve a shorter period.

4.3 A registered graduate student shall present the thesis for examination no later than two years if a full-time student or four years if a part-time student from the date of confirmed registration.

4.4 A registered graduate student who holds an honours degree appropriate to the course of study may submit the thesis for examination after not less than one year of registration if a full-time student, or two years if a part-time student. In special cases the academic board may approve a shorter period.

4.5 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate's progress shall be presented to the academic board together with the reasons for the delay in completing the course and the expected date of completion. Where the academic board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Supervision

5.1 For each candidate the academic board shall appoint one or more supervisors with appropriate experience provided that, where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and others as Associate Supervisors.

5.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

5.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one Associate Supervisor shall be from the sponsoring organisation.

5.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the academic board on the student's work. This report shall be seen by the candidate before submission to the academic board.

6. Place and Conditions of Work

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

6.2 The academic board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the head of school and/or director of centre in which the study is proposed that, in his/her opinion, the applicant is

a fit person to undertake a research program leading to the master degree, that the program is supported, and that the school/department is willing to undertake the responsibility of supervising the applicant's work.

6.3 The academic board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

- a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that he/she is willing to accept responsibility for supervising the applicant's work, and
- a statement from the head of school or director of centre in which the study is proposed that, in his/her opinion, the applicant is a fit person to undertake a research program leading to the master degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school/department is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document *Requirements for Presenting Theses*.

7.2 Not later than six months after confirmed registration the candidate shall submit the title of the thesis for approval by the academic board. After approval has been granted, no change shall be made except with the permission of the academic board.

7.3 The candidate shall give two months' notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

7.4 The thesis shall comply with the following requirements:

- a significant portion of the work described must have been carried out subsequent to initial registration for the degree
- it must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge
- it must reach a satisfactory standard of literary presentation
- it shall be the candidate's own account of the work. Where work is carried out jointly with other persons, the academic board shall be advised of the extent of the candidate's contribution to the joint work
- the thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award
- supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis, and
- the thesis shall contain an abstract of not more than 300 words.

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 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 at least two examiners of whom at least one shall be from outside the University.

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

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

8.4 On receipt of satisfactory reports from the examiners, and when the provisions of 7.1 have been fulfilled, the academic board shall recommend to Academic Committee that the candidate be awarded the degree.

8.5 If the examiners' reports are conflicting, the academic board may, after appropriate consultation with the Principal Supervisor:

- seek advice from a further external examiner, or
- not award the degree.

8.6 If, on the basis of the examiners' reports, the academic board does not recommend that the degree be awarded then it shall:

- permit the student to resubmit the thesis within one year for re-examination, or
- cancel the student's registration.

■ Graduate Diploma in Quality (IF69)

The course is administered by the Academic Boards of the Faculties of Built Environment and Engineering, Business and Science via a three-person Executive Committee.

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Ian Ogle

Entry Requirements

To be eligible for enrolment in the Graduate Diploma in Quality, an applicant shall have completed a course at degree level or possess an equivalent qualification in Science, Engineering, Management, Commerce, Education or another field deemed to be appropriate.

Where an equivalent course of study or examination cannot be readily established, an applicant may, in accordance with University practice, be recommended for special entry. This type of entry may depend collectively on such factors as the applicant's qualifications, background experience, current employment position etc.

| Part-Time Course Structure | | Credit Points | Contact Hrs/Wk | Duration (Wks) |
|-----------------------------------|-------------------------------------|----------------------|-----------------------|-----------------------|
| Year 1, Semester 1 | | | | |
| HRP108 | Quality System Management | 6 | 3 | 1-7 |
| HRP109 | Managing Communications for Quality | 6 | 3 | 8-14 |
| MAP111 | Statistical Methods in Quality | 6 | 3 | 8-14 |
| MEP173 | Quality Planning | 6 | 3 | 1-7 |
| Year 1, Semester 2 | | | | |
| FNP101 | Quality Cost Analysis | 6 | 3 | 8-14 |
| HRP102 | Human Factors in Quality | 6 | 3 | 8-14 |
| MAP121 | Statistical Process Control | 6 | 3 | 1-7 |
| MEP273 | Quality Measurement & Testing | 6 | 3 | 1-7 |
| Year 2, Semester 1 | | | | |
| EPP101 | Economic Analysis | 6 | 3 | 1-7 |
| ISP380 | Quality Informations Systems | 6 | 3 | 8-14 |
| MAP211 | Sampling Procedures | 6 | 3 | 1-7 |
| MEP371 | Reliability & Maintainability | 6 | 3 | 8-14 |
| Year 2, Semester 2 | | | | |
| MAP221 | Quality Problem Solving Techniques | 8 | 2 | 1-14 |
| MEP473 | Quality Systems & Assessment | 8 | 2 | 1-14 |
| IFP222 | Project | 8 | 2 | 1-14 |

■ Honours Degrees

1. General

1.1 These regulations apply to honours degrees consisting of an additional year of full-time study (or equivalent) following completion of an undergraduate pass degree. The policy does not apply to pass degrees which may be awarded with honours.

1.2 Faculties are required to make a submission to Academic Committee for an honours program in the form of a new course proposal. Such a proposal should seek approval for a single honours program covering the full range of majors offered within an undergraduate award, whether or not all majors are to be offered at honours level.

1.3 Faculties are expected to produce statements of procedures to be read with, or which may incorporate, this policy statement.

1.4 Each honours program will be assigned a separate quota.

2. Admission to an honours degree

2.1 Students who wish to undertake an honours program should normally apply for admission to it at the end of the final year of their pass degree, or within 18 months of completing that degree.

2.2 In order to be considered eligible for admission, students should have attained a grade point average of at least 5 or an average grade of credit over the entire basic course, including grades of at least credit in all subjects directly relevant to, or specified as prerequisite for, the proposed honours program.

2.3 However, students who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the dean.

3. Duration

3.1 Except in special circumstances as approved by the dean, the requirements for an honours degree must be completed within two successive years following first enrolment.

4. Program requirements

4.1 Honours programs must comprise one year of full-time study or equivalent with at least 25 per cent but not more than 50 per cent of the credit points associated with the course to be allocated to a project or dissertation.

4.2 Faculties are responsible for providing candidates with program outlines which specify the distribution of credit point load between project/dissertation and coursework, the procedure for project or dissertation approval and a concise statement of faculty requirements, supervision arrangements, and procedures for examining project reports and dissertations.

5. Unsatisfactory progress

5.1 Failure to make satisfactory progress with either the coursework component of an honours program or with the project/dissertation, or both, may lead to exclusion from the program.

5.2 Unsatisfactory progress consists of:

- receiving a grade of less than 4 (or 'Satisfactory', where applicable) in one subject of the coursework component;
- failure to make sufficient progress with the project or dissertation component, in the opinion of the dean.

5.3 A student who is excluded from or otherwise fails to complete an honours program will not normally be readmitted to that program.

6. Assessment

6.1 The minimum grade which may be credited towards an honours degree is 4 (or 'Satisfactory', where applicable).

6.2 A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners before final printing and binding.

6.3 Project reports and dissertations will be examined by an examining committee, appointed by the dean, and consisting of at least two examiners, one of whom may be external to the University. The supervisor of the candidate's work may be a member of the committee but may not chair the committee or act as the primary examiner.

7. Determination of level of honours awards

7.1 The faculty academic board, on advice from the school, will determine the level of honours to be awarded.

7.2 Honours degrees will be awarded at the following levels after account is taken of the candidate's performance in all subjects and appropriate weight applied to the project or dissertation:

| | |
|------------|----------------------------------|
| Honours 1 | First Class Honours |
| Honours 2A | Second Class Honours, Division A |
| Honours 2B | Second Class Honours, Division B |
| Honours 3 | Third Class Honours |

7.3 The level of honours award is to be determined by guidelines, as follows:

| | |
|------------|--|
| Honours 1 | Grade point average of 6.50-7.00, or equivalent |
| Honours 2A | Grade point average of 5.50-6.49, or equivalent |
| Honours 2B | Grade point average of 4.50-5.49, or equivalent |
| Honours 3 | Grade point average of 4.00-4.49, or equivalent. |

7.4 A candidate who does not reach the standard required for Honours 3 remains with a pass degree.

■ Bachelor of Engineering (Electronics)/Bachelor of Applied Science (Computing) (IF22)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 467

Standard Credit Points/Full-Time Semester: 46.7 (average)

Course Coordinators: Dr Dayal Abeyasekere, Mr Mike Roggenkamp

Professional Recognition

This course is accredited by the Australian Computer Society as meeting the training and experience requirements for admission to the grade of Member of the Society. It is accredited by the Institution of Engineers, Australia, and the Institution of Radio and Electronics Engineers, Australia as meeting the training requirements for admission to Graduate membership of these Institutions.

Vacation Practice Requirements in the Electronic Systems Engineering Component

All students shall have engaged in a total of at least 15 weeks in employment approved by the Coordinator of the Electronic Systems Engineering component of the course, in order to satisfy vacation practice requirements. Students shall submit to the relevant Course Coordinator, a description of their work experience, on the appropriate industrial experience record form duly signed by the student and the employer, in order to gain approval for their employment periods.

Full-Time Course Structure

| | | Credit Points | Contact Hrs/Wk |
|---------------------------|----------------------------------|----------------------|-----------------------|
| Year 1, Semester 1 | | | |
| CSB100 | Introduction to Computer Science | 9 | 3 |
| EEB101 | Circuits & Measurements | 7 | 3 |
| EEB202 | Electromagnetics | 6 | 3 |
| ISB102 | Representation of Information | 9 | 3 |
| ITB613 | Practice 1A (IF22) | 6 | 2 |
| MAB193 | Engineering Mathematics 1* | 6 | 3 |
| PHB132 | Engineering Physics 1A | 6 | 3 |
| Year 1, Semester 2 | | | |
| COB137 | English for Technologists | 6 | 3 |
| CSB101 | Computer Systems 1 | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |

* *Subject extends over two semesters.*

| | | | |
|--------|----------------------------|---|---------|
| EEB203 | Circuit Analysis | 5 | 3 |
| EEB272 | Digital Principles | 3 | 1.5 |
| EEB901 | Industrial Experience 1 | | 5 weeks |
| ITB630 | Practice 1B (IF22) | 6 | 2 |
| ITB680 | Practice 2B (IF22) | 6 | 2 |
| MAB193 | Engineering Mathematics 1* | 6 | 3 |
| PHB232 | Engineering Physics 2A | 6 | 3 |

Year 2, Semester 1

| | | | |
|--------|----------------------------|---|---|
| MAB493 | Engineering Mathematics 2* | 6 | 3 |
| CSB200 | Foundations of Computing 1 | 9 | 3 |
| EEB302 | Electrotechnology | 6 | 3 |
| EEB303 | Network Theory 1 | 7 | 3 |
| EEB361 | Signals & Systems | 7 | 3 |
| EEB371 | Electronic Devices | 5 | 3 |
| EEB372 | Sequential Logic | 7 | 3 |
| ITB625 | Practice 3A (IF22) | 6 | 2 |

Year 2, Semester 2

| | | | |
|--------|----------------------------|---|---------|
| CSB210 | Foundations of Computing 2 | 9 | 3 |
| CSB213 | Scientific Applications | 9 | 3 |
| EEB401 | Network Theory 2 | 6 | 3 |
| EEB471 | Electronics | 7 | 3 |
| EEB474 | Microprocessors | 6 | 3 |
| EEB561 | Analogue Communications | 6 | 3 |
| EEB902 | Industrial Experience 2 | | 5 weeks |
| ITB675 | Practice 4A (IF22) | 6 | 2 |
| MAB493 | Engineering Mathematics 2* | 6 | 3 |

Year 3, Semester 1

| | | | |
|--------|-------------------------------|---|---|
| CSB201 | Computer Systems 2 | 9 | 3 |
| EEB473 | Integrated Circuits | 6 | 3 |
| EEB520 | Control Engineering | 6 | 3 |
| EEB573 | Industrial Electronics | 6 | 3 |
| EEB587 | Design 1 | 6 | 3 |
| EEB591 | Systems Programming Languages | 6 | 3 |
| MAB893 | Engineering Mathematics 3 | 6 | 3 |

Year 3, Semester 2

| | | | |
|--------|---------------------------------|---|---------|
| CSB212 | Languages & Language Processing | 9 | 3 |
| CSB301 | Operating Systems | 9 | 3 |
| EEB602 | Signal Processing | 6 | 3 |
| EEB620 | Control Systems Analysis | 6 | 3 |
| EEB661 | Information Theory & Noise | 6 | 3 |
| EEB903 | Industrial Experience 3 | | 5 weeks |
| ITB681 | Practice 4B (IF22) | 6 | 2 |
| MAB894 | Engineering Mathematics 4 | 6 | 3 |

Year 4, Semester 1

| | | | |
|--------|---------------------------------|---|---|
| CSB302 | Software Engineering | 9 | 3 |
| EEB788 | Design 2 | 8 | 3 |
| EEB821 | Production Technology & Quality | 6 | 3 |
| EEB967 | Digital Communications | 6 | 3 |
| EEB968 | Digital Signal Processing | 7 | 3 |
| EEB971 | Applied Electronics | 6 | 3 |

Year 4, Semester 2

| | | | |
|--------|---------------------------------|---|---|
| CSB311 | Advanced Computer Architectures | 9 | 3 |
| EEB430 | Engineering Fields | 6 | 3 |
| EEB601 | Realtime Operating Systems | 6 | 3 |
| EEB621 | Advanced Control Systems | 6 | 3 |

* Subject extends over two semesters.

| | | | |
|--------|------------------------|---|---|
| EEB820 | Engineering Management | 8 | 3 |
| EEB887 | Design 3 | 6 | 3 |

Year 5, Semester 1

| | | | |
|--------|---------------------------------|----|---|
| CSB980 | Project* | 15 | |
| | OR | | |
| EEB789 | Project* | 15 | |
| EEB562 | Transmission & Propagation | 6 | 3 |
| | ONE Computing Elective Subject | 9 | 3 |
| | ONE Electrical Elective Subject | 7 | 3 |

Year 5, Semester 2

| | | | |
|--------|---------------------------------|----|---|
| CSB980 | Project* | 15 | |
| | OR | | |
| EEB789 | Project* | 15 | |
| EEB888 | Design 4 | 10 | 3 |
| | ONE Computing Elective Subject | 9 | 3 |
| | ONE Electrical Elective Subject | 7 | 3 |

Electrical Electives

| | | | |
|--------|--|----|---|
| EEB761 | Statistical Communication | 7 | 3 |
| EEB922 | Computer Controlled Systems | 7 | 3 |
| EEB961 | Communication Techniques | 7 | 3 |
| EEB962 | Microwave Systems Engineering | 7 | 3 |
| EEB972 | Integrated Electronic Techniques | 7 | 3 |
| MAB895 | Introduction to Cryptology | 7 | 4 |
| MAB896 | Error Control of Data Compression Techniques | 7 | 4 |
| MAB982 | Advanced Topics in Cryptology | 12 | 4 |

Computing Electives

| | | | |
|--------|---|---|---|
| CSB319 | Special Studies | 9 | 3 |
| CSB320 | Special Studies | 9 | 3 |
| CSB321 | Graphics | 9 | 3 |
| CSB324 | Artificial Intelligence | 9 | 3 |
| CSB325 | Expert Systems | 9 | 3 |
| CSB326 | Systems Programming | 9 | 3 |
| ISB201 | Information Systems Analysis & Design 1 | 9 | 3 |
| ISB202 | Database & Procedural Languages | 9 | 3 |
| ISB210 | Information Systems Analysis & Design 2 | 9 | 3 |
| ITB503 | Data Security | 9 | 3 |

Note: Any advanced subject not previously completed in either the Electrical and Computer Engineering or Computing Science degree courses may be studied as an elective.

■ Bachelor of Business (Accountancy)/Bachelor of Laws (IF31)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 562

Standard Credit Points/Full-Time Semester: 56.2 (average)

Course Coordinators:

Business – Professor Lew Edwards

Law – Ms Gillian Nisbet

* *Subject extends over two semesters.*

Professional recognition

The combined Accountancy/Law degree satisfies the academic requirements of the Institute of Chartered Accountants in Australia, the Australian Society of Accountants and the Public Accountants Registration Board of Queensland. The course also satisfies the requirements of the Solicitors' Board and the Barristers' Board of Queensland.

Full-Time Course Structure

| | | Credit Points | Contact Hrs/Wk |
|---------------------------|----------------------------------|------------------|-------------------|
| Year 1, Semester 1 | | | |
| AYB110 | Accounting | 12 | 4 |
| EPB150 | Microeconomics | 12 | 3 |
| LWB101 | Introduction to Law* | 12 | 3 |
| LWB104 | Legal Research & Writing 1* | 4 | 1 |
| MAB173 | Quantitative Methods | 12 | 3 |
| Year 1, Semester 2 | | | |
| AYB111 | Financial Accounting | 12 | 4 |
| EPB110 | Business Statistics | 12 | 3 |
| ISB892 | Business Computing | 12 | 4 |
| LWB101 | Introduction to Law* | 12 | 3 |
| LWB104 | Legal Research & Writing 1* | 4 | 1 |
| Year 2, Semester 1 | | | |
| AYB101 | Computerised Accounting Systems | 12 | 4 |
| AYB112 | Company Accounting | 12 | 4 |
| EPB140 | Macroeconomics | 12 | 3 |
| LWB102 | Law of Contract* | 12 | 3 |
| LWB103 | Torts* | 12 | 3 |
| Year 2, Semester 2 | | | |
| BSB102 | Management & Organisation | 12 | 3 |
| FNB111 | Finance 1 | 12 | 4 |
| FNB123 | Managerial Accounting 1 | 12 | 4 |
| LWB102 | Law of Contract* | 12 | 3 |
| LWB103 | Torts* | 12 | 3 |
| Year 3, Semester 1 | | | |
| AYB210 | Auditing | 12 | 3 |
| FNB112 | Finance 2 | 12 | 4 |
| FNB124 | Managerial Accounting 2 | 12 | 4 |
| LWB202 | Criminal Law & Procedure* | 12 | 3 |
| LWB203 | Constitutional Law* | 12 | 3 |
| Year 3, Semester 2 | | | |
| AYB113 | Accounting Theory & Applications | 12 | 4 |
| | Accounting Elective Subject | 12 | |
| LWB202 | Criminal Law & Procedure* | 12 | 3 |
| LWB203 | Constitutional Law* | 12 | 3 |
| | One Law Elective Subject | 8-12 | 2-3 |
| Year 4, Semester 1 | | | |
| LWB201 | Land Law* | 12 | 3 |
| LWB301 | Equity* | 12 | 3 |
| LWB303 | Commercial Law* | 12 | 3 |
| LWB311 | Administrative Law* | 12 | 3 |
| | One Law Elective Subject | 8-12 | 2-3 |

* Subject extends over two semesters.

Year 4, Semester 2

| | | | |
|--------|--------------------------|------|-----|
| LWB201 | Land Law* | 12 | 3 |
| LWB301 | Equity* | 12 | 3 |
| LWB303 | Commercial Law* | 12 | 3 |
| LWB311 | Administrative Law* | 12 | 3 |
| | One Law Elective Subject | 8-12 | 2-3 |

Year 5, Semester 1

| | | | |
|--------|--------------------------------|----|---|
| LWB309 | Succession | 8 | 2 |
| LWB401 | Company Law & Partnership* | 12 | 3 |
| LWB402 | Evidence | 12 | 3 |
| LWB403 | Taxation Law* | 12 | 3 |
| LWB404 | Civil Procedure* | 12 | 3 |
| LWB414 | Drafting & Legal Transactions* | 8 | 2 |
| LWB415 | Legal Research & Writing 2* | 4 | 1 |

Year 5, Semester 2

| | | | |
|--------|--------------------------------|----|---|
| LWB401 | Company Law & Partnership* | 12 | 3 |
| LWB403 | Taxation Law* | 12 | 3 |
| LWB404 | Civil Procedure* | 12 | 3 |
| LWB409 | Professional Conduct (5 weeks) | 2 | 2 |
| LWB414 | Drafting & Legal Transactions* | 8 | 2 |
| LWB415 | Legal Research & Writing 2* | 4 | 1 |

Note: In second semester of the final year of their course, all BBus (Accy)/LLB students must complete a special course of six hours of classes in Insolvency Law conducted by the Faculty of Law.

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the Dean of Faculty.

■ Bachelor of Business (Computing)/Bachelor of Laws (IF32)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 561

Standard Credit Points/Full-Time Semester: 56.1 (average)

Course Coordinators:

Information Technology – Mr Bob Smyth

Laws – Mr John Pike

Professional Recognition

This course is accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of 'Member' of the Society, and it meets the academic requirements for admission to practice as a barrister or solicitor.

* Subject extends over two semesters.

Full-Time Course Structure**Credit
Points****Contact
Hrs/Wk****Year 1, Semester 1**

| | | | |
|--------|----------------------------------|----|---|
| CSB100 | Introduction to Computer Science | 9 | 3 |
| ISB101 | Application Systems | 9 | 3 |
| ISB102 | Representation of Information | 9 | 3 |
| ITB603 | Practice 1 (IT32) | 12 | 4 |
| MAB172 | Quantitative Methods 1B | 9 | 3 |

Year 1, Semester 2

| | | | |
|--------|---|----|---|
| COB135 | Professional Communication | 9 | 2 |
| CSB101 | Computer Systems 1 | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| ISB201 | Information Systems Analysis & Design 1 | 9 | 3 |
| ITB653 | Practice 2 (IT32) | 12 | 4 |

Year 2, Semester 1

| | | | |
|--------|---------------------------------|----|---|
| ISB202 | Database & Procedural Languages | 9 | 3 |
| ITB501 | Data Communications | 9 | 3 |
| ITB601 | Practice 3 (IS10) | 12 | 4 |
| LWB101 | Introduction to Law* | 12 | 3 |
| LWB102 | Law of Contract* | 12 | 3 |
| LWB104 | Legal Research & Writing 1* | 4 | 1 |

Year 2, Semester 2

| | | | |
|--------|---|----|---|
| ISB210 | Information Systems Analysis & Design 2 | 9 | 3 |
| ISB302 | Database Management | 9 | 3 |
| ITB651 | Practice 4 (IS10) | 12 | 4 |
| LWB101 | Introduction to Law* | 12 | 3 |
| LWB102 | Law of Contract* | 12 | 3 |
| LWB104 | Legal Research & Writing I* | 4 | 1 |

Year 3, Semester 1

| | | | |
|--------|------------------------------|----|---|
| ISB301 | Advanced Information Systems | 9 | 3 |
| ISB304 | Project Work | 12 | - |
| LWB103 | Torts* | 12 | 3 |
| LWB202 | Criminal Law & Procedure* | 12 | 3 |
| LWB203 | Constitutional Law* | 12 | 3 |

Year 3, Semester 2

| | | | |
|--------|--------------------------------|----|---|
| ISB313 | Expert Information Systems | 9 | 3 |
| ISB314 | Information Systems Management | 9 | 3 |
| LWB103 | Torts* | 12 | 3 |
| LWB202 | Criminal Law & Procedure* | 12 | 3 |
| LWB203 | Constitutional Law* | 12 | 3 |

Year 4, Semester 1

| | | | |
|--------|--------------------------|------|-----|
| LWB201 | Land Law* | 12 | 3 |
| LWB301 | Equity* | 12 | 3 |
| LWB303 | Commercial Law* | 12 | 3 |
| LWB311 | Administrative Law* | 12 | 3 |
| | One Law Elective Subject | 8-12 | 2-3 |

Year 4, Semester 2

| | | | |
|--------|--------------------------|------|-----|
| LWB201 | Land Law* | 12 | 3 |
| LWB301 | Equity* | 12 | 3 |
| LWB303 | Commercial Law* | 12 | 3 |
| LWB311 | Administrative Law* | 12 | 3 |
| | One Law Elective Subject | 8-12 | 2-3 |

* Subject extends over two semesters.

**INTERFACULTY
COURSES**

Year 5, Semester 1

| | | | |
|--------|--------------------------------|----|---|
| LWB309 | Succession | 8 | 2 |
| LWB401 | Company Law & Partnership* | 12 | 3 |
| LWB402 | Evidence | 12 | 3 |
| LWB403 | Taxation Law* | 12 | 3 |
| LWB404 | Civil Procedure* | 12 | 3 |
| LWB414 | Drafting & Legal Transactions* | 8 | 2 |
| LWB415 | Legal Research & Writing 2* | 4 | 1 |

Year 5, Semester 2

| | | | |
|--------|--------------------------------|------|-----|
| LWB401 | Company Law & Partnership* | 12 | 3 |
| LWB403 | Taxation Law* | 12 | 3 |
| LWB409 | Professional Conduct (5 weeks) | 2 | 2 |
| LWB414 | Drafting & Legal Transactions* | 8 | 2 |
| LWB415 | Legal Research & Writing 2* | 4 | 1 |
| | One Law Elective Subject | 8-12 | 2-3 |

Electives

The offering of elective subjects in any semester will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the Dean of Faculty.

■ Bachelor of Engineering (Manufacturing Systems)/Bachelor of Business (Marketing) (IF53)*

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 562

Standard Credit Points/Full-Time Semester: 56.2

Course Coordinator: Mr Andre de Jong

Professional Recognition

Membership, The Institution of Engineers, Australia

Diploma, Australian Institute of Export

Special Course Requirement

All students shall have engaged in a total of at least 15 weeks in employment approved by the Course Coordinator to satisfy the industrial experience requirements.

To gain approval for the employment, the student must submit a description of employment to the Course Coordinator on the appropriate industrial experience record form completed by both the student and employer.

Full-Time Course Structure

| | | Credit Points | Contact Hrs/Wk |
|---------------------------|----------------------------|---------------|----------------|
| Year 1, Semester 1 | | | |
| CEB184 | Engineering Mechanics 1 | 7 | 3 |
| COB135 | Professional Communication | 12 | 3 |
| CSB191 | Introduction to Computing | 4 | 2 |

* Subject to approval.

| | | | |
|---------------------------|---|----|---------|
| MAB193 | Engineering Mathematics 1* | 6 | 3 |
| MEB173 | Manufacturing Practice | 7 | 3 |
| MKB140 | Principles of Marketing | 12 | 3 |
| PHB132 | Engineering Physics 1A | 6 | 3 |
| Year 1, Semester 2 | | | |
| BSB102 | Management & Organisation | 12 | 3 |
| CEB185 | Engineering Mechanics 2 | 7 | 3 |
| CSB291 | Introduction to FORTRAN | 4 | 2 |
| EPB109 | Business Methodology | 12 | 3 |
| MAB193 | Engineering Mathematics 1* | 6 | 3 |
| MEB111 | Dynamics | 7 | 3 |
| MEB133 | Materials 1 | 6 | 3 |
| MEB270 | Industrial Experience 1 | | 5 weeks |
| Year 2, Semester 1 | | | |
| ALB110 | Business Law | 12 | 3 |
| EPB116 | Economics Principles | 12 | 3 |
| MAB493 | Engineering Mathematics 2* | 6 | 3 |
| MEB121 | Engineering Graphics | 6 | 3 |
| MEB230 | Materials 2 | 6 | 3 |
| MEB250 | Thermodynamics 1 | 6 | 3 |
| MEB313 | Mechanics 1 | 6 | 3 |
| Year 2, Semester 2 | | | |
| AYB100 | Accounting for Managers | 12 | 3 |
| MAB493 | Engineering Mathematics 2* | 6 | 3 |
| MEB101 | Design 1 | 8 | 3 |
| MEB231 | Materials 3 | 6 | 3 |
| MEB251 | Thermodynamics 2 | 6 | 3 |
| MEB470 | Industrial Experience 2 | | 5 weeks |
| MEB471 | Manufacturing Engineering 1 | 6 | 3 |
| MKB142 | Consumer Behaviour | 12 | 3 |
| Year 3, Semester 1 | | | |
| EEB101 | Circuits & Measurements | 7 | 3 |
| HRB116 | Innovation and Entrepreneurship | 12 | 3 |
| MEB361 | Fluids 1 | 6 | 3 |
| MEB381 | Design 2 | 6 | 3 |
| MEB510 | Noise & Vibrations | 7 | 3 |
| MEB571 | Manufacturing Engineering 2 | 6 | 3 |
| MKB141 | Marketing Management | 12 | 3 |
| Year 3, Semester 2 | | | |
| EEB202 | Electromagnetics | 6 | 3 |
| HRB131 | Personnel Management & Industrial Relations | 12 | 3 |
| MEB462 | Fluids 2 | 6 | 3 |
| MEB483 | Design 3 | 7 | 3 |
| MEB600 | Industrial Experience 3 | | 5 weeks |
| MEB670 | Industrial Engineering 1 | 6 | 3 |
| MEB673 | Manufacturing Engineering 3 | 7 | 3 |
| MKB146 | Services Marketing | 12 | 3 |
| Year 4, Semester 1 | | | |
| EEB372 | Sequential Logic | 7 | 3 |
| FNB111 | Finance 1 | 12 | 4 |
| ITB501 | Data Communication | 9 | 3 |
| MEB463 | Tribology | 6 | 3 |
| MEB771 | Industrial Engineering 2 | 6 | 3 |
| MEB773 | Design for Manufacturing 1 | 7 | 3 |
| MKB151 | Marketing Research | 12 | 3 |

* Subject extends over two semesters.

Year 4, Semester 2

| | | | |
|--------|-----------------------------------|----|---|
| EEB474 | Microprocessors | 6 | 3 |
| EEB520 | Control Engineering | 6 | 3 |
| FNB120 | International Finance | 12 | 3 |
| MEB660 | Fluid Power | 6 | 3 |
| MEB974 | Design for Manufacturing 2 | 7 | 3 |
| MEB976 | Computer Integrated Manufacturing | 7 | 3 |
| MKB148 | Marketing Decision Making | 12 | 3 |

Year 5, Semester 1

| | | | |
|--------|---|----|---|
| CSB324 | Artificial Intelligence | 9 | 3 |
| EEB591 | Systems Programming Languages | 6 | 3 |
| MEB900 | Manufacturing Project* | 12 | 3 |
| MEB977 | Computer Control of Manufacturing Systems | 7 | 3 |
| MKB143 | Export Management | 12 | 3 |
| MKB149 | International Marketing | 12 | 3 |

Year 5, Semester 2

| | | | |
|--------|-----------------------------------|----|---|
| CSB325 | Expert Systems | 9 | 3 |
| MEB900 | Manufacturing Project* | 12 | 3 |
| MEB975 | Design of Manufacturing Systems | 7 | 3 |
| MEB978 | Manufacturing Systems Engineering | 7 | 3 |
| MKB155 | Strategic Marketing | 12 | 3 |
| HRB135 | Small Business Management OR | 12 | 3 |
| MKB153 | Professional Marketing Practice | 12 | 3 |

■ Bachelor of Applied Science (Surveying)/Bachelor of Business (Information Management) (IF51)

Location: Gardens Point campus

Course Duration: 4.5 years full-time

Total Credit Points: 447

Standard Credit Points/Full-Time Semester: 49.67 (average)

Course Coordinators: Mr Jim Glasscock, Mr Michael Middleton

Professional Recognition

This course has been accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of 'Member' of the Society and it meets the requirements of the Queensland Surveyors' Board for registration as a surveyor, but not for licensing.

Full-Time Course Structure

| | | Credit Points | Contact Hrs/Wk |
|---------------------------|--------------------------------------|------------------|-------------------|
| Year 1, Semester 1 | | | |
| CSB100 | Introduction to Computer Science | 9 | 3 |
| ISB102 | Representation of Information | 9 | 3 |
| ISB113 | Principles of Information Management | 9 | 3 |
| ITB603 | Practice 1 (IT32) | 12 | 4 |
| MAB199 | Survey Mathematics 1 | 12 | 6 |
| SVB111 | Data Presentation 1 | 6 | 3 |

* Subject extends over two semesters.

Year 1, Semester 2

| | | | |
|--------|--------------------------------|----|---|
| AYB104 | Principles of Accounting | 9 | 3 |
| CSB101 | Computer Systems 1 | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| ITB653 | Practice 2 (IT32) | 12 | 4 |
| MAB495 | Survey Mathematics 2 | 12 | 6 |
| MAB499 | Basic Statistics for Surveyors | 5 | 2 |

Year 2, Semester 1

| | | | |
|--------|---|----|---|
| ISB201 | Information Systems Analysis & Design 1 | 9 | 3 |
| ISB203 | Advanced Data Base | 9 | 3 |
| ITB602 | Practice 3 (IS43) | 12 | 4 |
| SVB121 | Land Surveying 1 | 13 | 6 |
| PHB170 | Physics for Surveyors | 12 | 6 |

Year 2, Semester 2

| | | | |
|--------|--------------------------|----|---|
| ISB214 | The Information Resource | 9 | 3 |
| ITB501 | Data Communications | 9 | 3 |
| ITB652 | Practice 4 (IS43) | 12 | 4 |
| SVB212 | Data Presentation 2A | 2 | 1 |
| SVB226 | Land Surveying 2 | 13 | 6 |
| SVB270 | Land Administration 1 | 6 | 3 |

Year 3, Semester 1

| | | | |
|--------|------------------------------|----|---|
| CSB321 | Graphics | 9 | 3 |
| SVB311 | Data Presentation 3 | 5 | 3 |
| SVB331 | Observations & Adjustments 1 | 4 | 2 |
| SVB352 | Land Studies A* | 6 | 3 |
| SVB393 | Land Surveying 3 | 10 | 5 |
| SVB573 | Land Administration 3 | 6 | 3 |

Year 3, Semester 2

| | | | |
|--------|----------------------------------|---|---|
| ISB318 | Strategic Information Management | 9 | 3 |
| SSB916 | Applied Cognitive Psychology | 9 | 2 |
| SVB343 | Photogrammetry 1 | 6 | 3 |
| SVB430 | Land Surveying 4 | 9 | 4 |
| SVB431 | Observations & Adjustments 2 | 4 | 2 |
| SVB442 | Geodetic Computations | 9 | 4 |
| SVB352 | Land Studies A* | 6 | 3 |

Year 4, Semester 1

| | | | |
|--------|------------------------------|----|---|
| COB135 | Professional Communication | 9 | 3 |
| EPB169 | Economics of Information | 9 | 2 |
| ISB301 | Advanced Information Systems | 9 | 3 |
| MAB795 | Survey Mathematics 3 | 6 | 3 |
| SVB443 | Photogrammetry 2 | 11 | 6 |

Year 4, Semester 2

| | | | |
|--------|--------------------------------|----|---|
| IFB880 | Project* | 12 | 3 |
| ISB314 | Information Systems Management | 9 | 3 |
| SVB412 | Cartographic Practice | 5 | 3 |
| SVB473 | Land Information Systems 1 | 5 | 3 |
| SVB636 | Land Surveying 6 | 6 | 3 |
| SVB682 | Seminar 2 | 2 | 1 |
| SVB688 | Professional Practice A | 4 | 2 |

Year 5, Semester 1

| | | | |
|--------|----------------------------|----|---|
| IFB880 | Project* | 12 | 3 |
| ISB303 | Office Information Systems | 9 | 3 |
| SVB470 | Land Administration 2 | 4 | 2 |
| SVB535 | Land Surveying 5 | 5 | 3 |

* Subject extends over two semesters.

| | | | |
|--------|----------------------------|---|---|
| SVB551 | Land Valuation | 6 | 3 |
| SVB563 | Land Information Systems 2 | 4 | 2 |
| | Elective | 9 | 3 |

Electives

Subject to prerequisites and timetable constraints, and subject to the prior approval of the Course Coordinator, any subject from either of the two degree programs drawn upon to form this double degree may be studied as an elective. The recommended electives which do not require such approval are:

| | | Credit Points | Contact Hrs/Wk |
|--------|------------------------------------|---------------|----------------|
| ISB302 | Data Base Management | 9 | 3 |
| ISB493 | Business Computer Programming | 12 | 4 |
| ISB998 | Special Topic - Business Computing | 9 | 3 |
| SVB645 | Remote Sensing | 5 | 3 |
| SVB670 | Land Administration 5 | 5 | 3 |

■ New Opportunities in Tertiary Education (NOTE) Program (BN10)

Location: Gardens Point campus

Course Duration: 1 year part-time

Standard Credit Points/Full-Time Semester: 48

Coordinators: Mrs Wendy Mathieson, Ms Debra Messer

A one-year, part-time post-secondary studies program for women. The program provides bridging tuition to enable women who have the abilities – but who do not meet subject entry requirements – to undertake study in engineering, science or technology courses at QUT.

Students are guided into a study program which takes account of their background and the course to which entry is sought. Subjects are selected from the following list designed specifically for the NOTE program. Students also undertake two or three subjects from the first year of the course to which entry is sought.

| | | Credit Points |
|--------|---|---------------|
| CHS200 | Chemistry | 6 |
| PHS021 | Physics | 6 |
| MAS090 | Mathematics (a full year subject) | 12 |
| | OR | |
| MAS092 | Mathematics A (a single semester subject) | 6 |
| INB001 | Computing Practice (NOTE) 1 | 6 |
| INB002 | Computing Practice (NOTE) 2 | 6 |