

**UNIVERSITY-WIDE
AND
INTERFACULTY COURSES**

UNIVERSITY-WIDE AND INTERFACULTY COURSES

Courses Offered

- IFN249 Doctor of Philosophy – available in all faculties
- Master of Applied Science by Research & Thesis in the Faculties of
 - BTN184 Built Environment
 - HSN184 Health Science and
 - INN184 Information Technology
- IFM242 Graduate Diploma in Quality
- IFJ222 Bachelor of Engineering/Bachelor of Applied Science – Electronics and Computing
- IFJ223 Bachelor of Business – Accountancy/Bachelor of Laws
- IFJ235 Bachelor of Business – Computing/Bachelor of Laws
- IFJ237 Bachelor of Engineering/Bachelor of Business – Manufacturing Systems and Management
- IFJ251 Bachelor of Applied Science – Surveying/Bachelor of Business - Information Management
- ENS200 New Opportunities in Tertiary Education (N.O.T.E) Program

Course Structures

■ IFN249 Doctor of Philosophy

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 student'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 1988.
- 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/department, 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 s/he 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 Committee 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
- and must be such as to enable the student 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, department, 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 thirty months before submitting the thesis for examination. The corresponding period in the case of a part-time candidate shall be forty-two 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 twenty-four months of registration if a full-time student, or thirty-six 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 forty-eight 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 sixty 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 twelve 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 twenty-four 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 student. Each progress report is to be sighted by the student and submitted through the head of school/department.

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 s/he 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 QUT 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 (a) that the degree be awarded, with or without minor modifications to the thesis, or (b) that the candidate be re-examined, or (c) 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 fulfilment 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 (a) not award the degree, or (b) 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 twelve 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 by Research & Thesis

This research program is available in

the Faculty of Built Environment (BTN184)

the Faculty of Health Science (HSN184)

the Faculty of Information Technology (INN184)

For the corresponding program in the Faculty of Science, refer to the description of ASN273 Master of Applied Science in the Faculty of Science chapter.

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.

I. 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 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 s/he 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 by Research and Thesis, 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 twelve months has elapsed from initial registration. The corresponding period in the case of a part-time student shall be at least twenty-four 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/department 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/department 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/department 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/department 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 conjointly 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.

■ IFM242 Graduate Diploma in Quality

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

Course Duration: 4 semesters part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Co-ordinator: 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)
Semester 1 (Autumn)				
MEP173	Quality Control Planning	6	3	1-7
MNP112	Quality System Management	6	3	1-7
MAP111	Statistical Methods in Quality	6	3	8-14
MNP113	Managing Communications for Quality	6	3	8-14
Semester 2 (Spring)				
MEP273	Quality Measurement & Testing	6	3	1-7
MAP121	Statistical Process Control	6	3	1-7
ACP213	Quality Cost Analysis	6	3	8-14
MNP123	Human Factors in Quality	6	3	8-14
Semester 3 (Autumn)				
MAP211	Sampling Procedures	6	3	1-7
MNP218	Economic Analysis	6	3	1-7
MEP371	Reliability & Maintainability	6	3	8-14
ISP380	Quality Informations Systems	6	3	8-14
Semester 4 (Spring)				
MEP473	Quality Systems & Assessment	8	2	1-14
MAP221	Quality Problem Solving Techniques	8	2	1-14
IFP222	Project	8	2	1-14

■ IFJ222 Bachelor of Engineering/Bachelor of Applied Science - Electronics and Computing

Course Duration: 10 semesters full-time, 14 semesters part-time

Total Credit Points: 467

Standard Credit Points/Full-Time Semester: 46.7

Course Co-ordinators: Mr John Edwards, Dr Joaquin Sitte

Special Course Requirement

All students shall have engaged in a total of at least fifteen weeks in employment approved by the Co-ordinator to satisfy the vacation practice requirements of the course.

To gain approval for the employment, the student must submit a description of employment to the Co-ordinator - on the appropriate 'Industrial Experience Record' form completed by both the student and employer.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1 (Autumn)			
MAB193	Engineering Mathematics I*	6	3
CSB100	Introduction to Computer Science	9	3
EEB101	Circuits & Measurements	7	3
EEB202	Electromagnetics	6	3

* This subject extends over two semesters

PHB132	Engineering Physics IA	6	3
ISB102	Representation of Information	9	3
INB125	Practice IA (IFJ222)	6	2
Semester 2 (Spring)			
MAB193	Engineering Mathematics I*	6	3
EEB203	Circuit Analysis	5	3
EEB272	Digital Principles	3	1.5
CSB110	Programming Principles	9	3
PHB232	Engineering Physics IIA	6	3
CMB108	English for Technologists	6	3
CSB101	Computer Systems I	9	3
INB130	Practice IB (IFJ222)	6	2
INB180	Practice IIB (IFJ222)	6	2
EEB901	Industrial Experience I		5 weeks
Semester 3 (Autumn)			
MAB493	Engineering Mathematics II*	6	3
EEB303	Network Theory I	7	3
EEB361	Signals & Systems	7	3
CSB200	Foundations of Computing I	9	3
EEB371	Electronic Devices	5	3
EEB372	Sequential Logic	7	3
EEB302	Electrotechnology	6	3
INB225	Practice IIIA (IFJ222)	6	2
Semester 4 (Spring)			
MAB493	Engineering Mathematics II*	6	3
EEB401	Network Theory II	6	3
EEB471	Electronics	7	3
EEB561	Analogue Communications	6	3
EEB472	Microprocessors	6	3
CSB213	Scientific Applications	9	3
CSB210	Foundations of Computing	6	2
INB275	Practice IVA (IFJ222)	6	2
EEB902	Industrial Experience II		5 weeks
Semester 5 (Autumn)			
CSB201	Computer Systems II	9	3
EEB591	Systems Programming Languages	6	3
EEB473	Integrated Circuits	6	3
EEB573	Industrial Electronics	6	3
EEB587	Design I	6	3
MAB893	Engineering Mathematics III	6	3
EEB520	Control Engineering	6	3
Semester 6 (Spring)			
CSB212	Language & Language Processes	9	3
EEB602	Signal Processing	6	3
EEB661	Information Theory & Noise	6	3
MAB894	Engineering Mathematics IV	6	3
CSB301	Operating Systems	9	3
EEB620	Control Systems Analysis	6	3
INB281	Practice IVB (IFJ222)	6	2
EEB903	Industrial Experience III		5 weeks
Semester 7 (Autumn)			
CSB302	Software Engineering	9	3
EEB968	Digital Signal Processing	7	3
EEB967	Digital Communications	6	3
EEB788	Design II	6	3

* This subject extends over two semesters.

EEB821	Production Technology & Quality	6	3
EEB971	Applied Electronics	6	3

Semester 8 (Spring)

EEB601	Realtime Operating Systems	6	3
EEB430	Engineering Fields	6	3
EEB621	Advanced Control Systems	6	3
EEB887	Design III	6	3
EEB820	Engineering Management	8	3
CSB311	Advanced Computer Architecture	9	3

Semester 9 (Autumn)

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

Semester 10 (Spring)

EEB888	Design IV	10	3
EEB789	Project*	15	6
	ONE Computing Elective Subject	9	3
	ONE Electrical Elective Subject	7	3

ELECTRICAL ELECTIVE SUBJECTS

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
MAB920	Coding & Encryption Techniques	12	3

COMPUTING ELECTIVE SUBJECTS

CSB320	Special Studies	9	3
CSB321	Graphics	9	3
CSB323	Data Security	9	3
CSB324	Artificial Intelligence	9	3
CSB325	Expert Systems	9	3
ISB202	Database & Procedural Languages	9	3
ISB201	Information Systems Analysis & Design I	9	3
ISB210	Information Systems Analysis & Design II	9	3

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

Part-Time Course Structure

Credit Points **Contact Hrs/Wk**

Semester 1 (Autumn)

MAB193	Engineering Mathematics I*	6	3
CSB100	Introduction to Computer Science	9	3
EEB101	Circuits & Measurements	7	3
EEB202	Electromagnetics	6	3
PHB132	Engineering Physics IA	6	3
INB125	Practice IA (IFJ222)	6	2

Semester 2 (Spring)

MAB193	Engineering Mathematics I*	6	3
EEB203	Circuit Analysis	5	3
PHB232	Engineering Physics IIA	6	3

* This subject extends over two semesters.

ISB102	Representation of Information	9	3
INB180	Practice IIB (IFJ222)	3	1.5
EEB272	Digital Principles	3	1.5
EEB901	Industrial Experience I		5 weeks

Semester 3 (Autumn)

MAB493	Engineering Mathematics II*	6	3
EEB303	Network Theory I	7	3
CSB200	Foundations of Computing	9	3
CSB101	Computer Systems I	9	3
INB225	Practice IIIA (IFJ222)	6	2
EEB302	Electrotechnology	6	3

Semester 4 (Spring)

MAB493	Engineering Mathematics II*	6	3
CSB110	Programming Principles	9	3
EEB401	Network Theory II	6	3
CSB213	Scientific Applications	9	3
INB130	Practice IB (IFJ222)	6	2
INB275	Practice IVA (IFJ222)	6	2
EEB902	Industrial Experience II		5 weeks

Semester 5 (Autumn)

EEB361	Signals & Systems	7	3
EEB371	Electronic Devices	5	3
EEB372	Sequential Logic	7	3
MAB893	Engineering Mathematics III	6	3
CSB210	Foundation of Computing II	9	3

Semester 6 (Spring)

EEB471	Electronics	7	3
EEB472	Microprocessors	6	3
EEB561	Analogue Communications	6	3
MAB894	Engineering Mathematics IV	6	3
EEB903	Industrial Experience III		5 weeks

Semester 7 (Autumn)

CSB201	Computing Systems II	9	3
EEB591	Systems Programming Languages	6	3
EEB573	Industrial Electronics	6	3
EEB587	Design I	6	3

Semester 8 (Spring)

EEB473	Integrated Circuits	6	3
EEB602	Signal Processing	6	3
CSB212	Language & Language Processing	9	3
INB281	Practice IVB (IFJ222)	6	2
CMB108	English for Technologists	6	3

Semester 9 (Autumn)

CSB301	Operating Systems	9	3
EEB520	Control Engineering	6	3
CSB302	Software Engineering	9	3
EEB661	Information Theory & Noise	6	3

Semester 10 (Spring)

EEB620	Control Systems Analysis	6	3
EEB967	Digital Communications	6	3
EEB621	Advanced Control Systems	6	3
CSB311	Advanced Computer Architecture	9	3

* This subject extends over two semesters.

EEB430	Engineering Fields	6	3
Semester 11 (Autumn)			
EEB562	Transmission & Propagation	6	3
EEB788	Design II	8	3
EEB821	Production Technology & Quality	6	3
	ONE Computing Elective Subject	9	3
Semester 12 (Spring)			
EEB601	Realtime Operating Systems	6	3
EEB887	Design III	6	3
EEB820	Engineering Management	8	3
EEB971	Applied Electronics	6	3
	ONE Computing Elective Subject	9	3
Semester 13 (Autumn)			
EEB968	Digital Signal Processing	7	3
EEB789	Project* (Electronic Systems Engineering)	15	6
	ONE Electrical Elective Subject	7	3
Semester 14 (Spring)			
EEB888	Design IV	10	3
EEB789	Project* (Electronic Systems Engineering)	15	6
	ONE Electrical Elective Subject	7	3

■ IFJ223 Bachelor of Business - Accountancy/Bachelor of Laws

Course Duration: 10 semesters full-time

Total Credit Points: 562

Standard Credit Points/Full-Time Semester: 56.2

Course Structure		Credit Points	Contact Hrs/Wk
Semester 1 (Autumn)			
ACB110	Accounting I	12	4
MAB173	Quantitative Methods	12	3
MNB151	Microeconomic Analysis	12	3
LWB101	Introduction to Law*	12	3
LWB104	Legal Research & Writing I*	4	1
Semester 2 (Spring)			
ACB111	Accounting II	12	4
ISB392	Business Computing	12	4
MNB252	Business Statistics	12	3
LWB101	Introduction to Law*	12	3
LWB104	Legal Research & Writing I*	4	1
Semester 3 (Autumn)			
ACB210	Company Accounting	12	4
ISB492	Computerised Accounting Systems	12	4
MNB251	Macroeconomic Analysis	12	3
LWB102	Law of Contract*	12	3
LWB103	Torts*	12	3

* This subject extends over two semesters.

Semester 4 (Spring)			
ACB220	Cost Accounting	12	4
ACB230	Financial Management I	12	4
MNB412	Management & Organisations	12	3
LWB102	Law of Contract*	12	3
LWB103	Torts*	12	3
Semester 5 (Autumn)			
ACB321	Managerial Accounting	12	4
ACB331	Financial Management II	12	4
	Accounting Elective		
LWB202	Criminal Law & Procedure*	12	3
LWB203	Constitutional Law*	12	3
Semester 6 (Spring)			
ACB310	Accounting Theory & Practice	12	4
ACB311	Auditing	12	3
LWB202	Criminal Law & Procedure*	12	3
LWB203	Constitutional Law*	12	3
	One Law Elective Subject	8-12	2-3
Semester 7 (Autumn)			
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
Semester 8 (Spring)			
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
Semester 9 (Autumn)			
LWB309	Succession	8	2
LWB401	Company Law & Partnership*	12	3
LWB402	Evidence	12	3
LWB403	Taxation Law*	12	3
LWB404	Civil Procedure*	8	2
LWB414	Drafting & Legal Transactions*	8	2
LWB415	Legal Research & Writing II*	4	1
Semester 10 (Spring)			
LWB401	Company Law & Partnership*	12	3
LWB403	Taxation Law*	12	3
LWB404	Civil Procedure*	8	2
LWB409	Professional Conduct (5 weeks)	2	2
LWB414	Drafting & Legal Transactions*	8	2
LWB415	Legal Research & Writing II*	4	1

■ IFJ235 Bachelor of Business - Computing/Bachelor of Laws

Course Duration: 10 semesters full-time

Total Credit Points: 553

* Full-year subject

Standard Credit Points/Full-Time Semester: 55.3

Course Co-ordinator: Mr Bob Smyth

Special Course Requirements

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 relevant Head of School.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1 (Autumn)			
CSB100	Introduction to Computer Science	9	3
INB100	Practice I (INJ232)	12	4
ISB101	Application Systems	9	3
ISB102	Representation of Information	9	3
MAB172	Quantitative Methods IB	9	3
Semester 2 (Spring)			
CMB104	Professional Communication	9	3
CSB101	Computer Systems I	9	3
CSB110	Programming Principles	9	3
INB150	Practice II (INJ232)	12	4
ISB201	Information Systems Analysis & Design I	9	3
Semester 3 (Autumn)			
INB201	Practice III (ISJ210)	12	4
INB270	Data Communications	9	3
ISB202	Database & Procedural Languages	9	3
LWB101	Introduction to Law*	12	3
LWB102	Law of Contract*	12	3
LWB104	Legal Research & Writing I*	4	1
Semester 4 (Spring)			
INB251	Practice IV (ISJ210)	12	4
ISB210	Information Systems Analysis & Design II	9	3
ISB302	Database Management	9	3
LWB101	Introduction to Law*	12	3
LWB102	Law of Contract*	12	3
LWB104	Legal Research & Writing I*	4	1
Semester 5 (Autumn)			
INB301	Project Work	12	4
ISB301	Advanced Information Systems	9	3
LWB103	Torts*	12	3
LWB202	Criminal Law & Procedure*	12	3
LWB203	Constitutional Law*	12	3
Semester 6 (Spring)			
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
Semester 7 (Autumn)			
LWB201	Land Law*	12	3
LWB301	Equity*	12	3

* Full-year subject

LWB303	Commercial Law*	12	3
LWB311	Administrative Law*	12	3
	One Law Elective Subject	8-12	2-3

Semester 8 (Spring)

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

Semester 9 (Autumn)

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

Semester 10 (Spring)

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

■ IFJ237 Bachelor of Engineering/Bachelor of Business - Manufacturing Systems and Management

Course Duration: 10 semesters full-time

Total Credit Points: 562

Standard Credit Points/Full-Time Semester: 56.2

Course Co-ordinator: Professor W. Wong

Special Course Requirement

All students shall have engaged in a total of at least fifteen weeks in employment approved by the Course Co-ordinator to satisfy the vacation practice requirements.

To gain approval for the employment, the student must submit a description of employment to the Course Co-ordinator - on the appropriate 'Industrial Experience Record' form completed by both the student and employer.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1 (Autumn)			
MAB193	Engineering Mathematics I*	6	3
PHB132	Engineering Physics IA	6	3
CEB184	Engineering Mechanics I	7	3
CSB191	Introduction to Computing	4	2

* Full-year subject

MEB 173	Manufacturing Practice	7	3
MNB 154	Psychology	12	3
MNB 153	Analysis & Methodology in Management	12	3

Semester 2 (Spring)

MAB 193	Engineering Mathematics I*	6	3
CEB 185	Engineering Mechanics II	7	3
MEB 111	Dynamics	7	3
CSB 291	Introduction to FORTRAN	4	2
MEB 133	Materials I	6	3
MNB 252	Business Statistics	12	3
MNB 253	Introductory Marketing	12	3
MEB 270	Industrial Experience I		5 weeks

Semester 3 (Autumn)

MAB 493	Engineering Mathematics II*	6	3
MEB 121	Engineering Graphics	6	3
MEB 230	Materials II	6	3
MEB 250	Thermodynamics I	6	3
MEB 313	Mechanics I	6	3
MNB 151	Microeconomic Analysis	12	3
ACB 180	Accounting for Managers	12	3

Semester 4 (Spring)

MAB 493	Engineering Mathematics II*	6	3
MEB 101	Design I	8	3
MEB 231	Materials III	6	3
MEB 251	Thermodynamics II	6	3
MNB 251	Macroeconomic Analysis	12	3
MEB 471	Manufacturing Engineering I	6	4
MNB 451	Government, Business & Law	12	4
MEB 470	Industrial Experience II		5 weeks

Semester 5 (Autumn)

EEB 101	Circuits & Measurements	7	3
MEB 361	Fluids I	6	3
MEB 381	Design II	6	3
MEB 510	Noise & Vibrations	7	3
MEB 571	Manufacturing Engineering II	6	3
MNB 351	Organisational Analysis & Management	12	3
MNB 391	Marketing Management	12	3

Semester 6 (Spring)

EEB 202	Electromagnetics	6	3
MEB 462	Fluids II	6	3
ACB 230	Financial Management I	12	4
MEB 670	Industrial Engineering I	6	3
MEB 483	Design III	7	3
MEB 671	Manufacturing Engineering III	7	3
MNB 254	Personnel Management & Industrial Relations	12	3
MEB 600	Industrial Experience III		5 weeks

Semester 7 (Autumn)

INB 270	Data Communication	9	3
EEB 372	Sequential Logic	7	3
MEB 771	Industrial Engineering II	6	3
MEB 463	Tribology	6	3
MEB 773	Design for Manufacturing I	7	3

* This subject extends over two semesters.

MNB392	Consumer Behaviour	12	3
MNB592	Marketing Research	12	3

Semester 8 (Spring)

EEB472	Microprocessors	6	3
EEB520	Control Engineering	6	3
MEB660	Fluid Power	6	3
MEB974	Design for Manufacturing II	7	3
MEB976	Computer Integrated Manufacturing	7	3
ACB336	International Finance	12	3
MNB625	Professional Marketing Practice	12	3

Semester 9 (Autumn)

CSB324	Artificial Intelligence	9	3
MEB977	Computer Control of Manufacturing Systems	7	3
EEB591	Systems Programming Languages	6	3
MEB900	Manufacturing Project*	12	3
MNB411	Export Management	12	3
MNB526	International Marketing	12	3

Semester 10 (Spring)

MEB978	Manufacturing Systems Engineering	7	3
MNB651	Managerial Strategy	12	3
CSB325	Expert Systems	9	3
MEB900	Manufacturing Project*	12	3
MNB691	Strategic Marketing	12	3
MEB975	Design of Manufacturing Systems	7	3

■ IFJ251 Bachelor of Applied Science - Surveying/Bachelor of Business - Information Management

Course Duration: 9 semesters full-time

Total Credit Points: 447

Standard Credit Points/Full-Time Semester: 49.67

Full-Time Course Structure	Credit Points	Contact Hrs/Wk
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Semester 1 (Autumn)

CSB100	Introduction to Computer Science	9	3
ISB113	Principles of Information Management	9	3
INB100	Practice I (INJ232)	12	4
ISB102	Representation of Information	9	3
MAB199	Survey Mathematics I	12	6
SVB111	Data Presentation I	6	3

Semester 2 (Spring)

ACB181	Accounting Information Systems I	9	2
CSB110	Programming Principles	9	3
INB150	Practice II (INJ232)	12	4
CSB101	Computer Systems I	9	3
MAB495	Survey Mathematics II	12	6
MAB499	Basic Statistics for Surveyors	5	2

* This subject extends over two semesters.

Semester 3 (Autumn)

ISB201	Information Systems Analysis & Design I	9	3
ISB203	Advanced Data Base	9	3
INB202	Practice III (ISJ243)	12	4
SVB121	Land Surveying I	13	6
PHB170	Physics for Surveyors	12	6

Semester 4 (Spring)

INB270	Data Communications	9	3
ISB214	The Information Resource	9	3
INB252	Practice IV (ISJ243)	12	4
SVB212	Data Presentation IIA	2	1
SVB226	Land Surveying II	13	6
SVB270	Land Administration I	6	3

Semester 5 (Autumn)

CSB321	Graphics	9	3
SVB351	Land Studies I	12	6
SVB393	Land Surveying III	10	5
SVB573	Land Administration III	6	3
SVB311	Data Presentation III	5	3
SVB331	Observations & Adjustments I	4	2

Semester 6 (Spring)

ISB318	Strategic Information Management	9	3
SVB430	Land Surveying IV	9	4
SVB442	Geodetic Computations	9	4
SVB343	Photogrammetry I	6	3
MNB413	Applied Cognitive Psychology	9	2
SVB431	Observations & Adjustments II	4	2

Semester 7 (Autumn)

ISB301	Advanced Information Systems	9	3
CMB104	Professional Communication	9	3
MNB591	Economics of Information	9	2
SVB443	Photogrammetry II	11	6
MAB795	Survey Mathematics III	6	3

Semester 8 (Spring)

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

Semester 9 (Autumn)

ISB303	Office Information Systems	9	3
SVB535	Land Surveying V	5	3
SVB551	Land Valuation	6	3
SVB470	Land Administration II	4	2
SVB563	Land Information Systems II	4	2
IFB880	Project*	12	3
	Elective	9	3

Electives

Subject to prerequisites and timetable constraints, and subject to the prior approval of the Course Co-ordinator, any subject from either of the two degree programs drawn upon to

* This subject extends over two semesters.

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
SVB645	Remote Sensing	5	3
SVB670	Land Administration V	5	3
ISB302	Data Base Management	9	3
ISB313	Expert Information Systems	9	3
ISB493	Business Computer Programming	9	3
ISB999	Special Topic - Business Computing	9	3

■ ENS200 New Opportunities in Tertiary Education (N.O.T.E.) Program

Course Duration: 2 semesters part-time

Standard Credit Points/Full-Time Semester: 48

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. The program is specially funded under the Commonwealth Department of Employment, Education and Training Equity Program.

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 N.O.T.E. 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
ENS100	Engineering Skills	6
MAS090	Mathematics (a full year subject)	6 per sem
	OR	
MAS091	Mathematics (a single semester subject)	12
	OR	
MAS092	Mathematics A (a single semester subject)	6
INB001	Computing Practice (N.O.T.E.) I	6
INB002	Computing Practice (N.O.T.E.) II	6

General Information

Prizes and Awards

Queensland University of Technology Medal

The Queensland University of Technology Medal is an award made in recognition of academic excellence. To qualify for consideration for the award, a student must have demonstrated academic excellence throughout an entire Bachelor's program and have, in minimum time, passed all subjects at a uniformly high standard. Particular reference is made to the final year results. The award is a rare honour and is not made in any year in which there is no candidate of sufficient merit. The number of medals which may be

awarded in a faculty each year ranges from one to three, depending on the number of graduates in the faculty for the year.

Queensland University of Technology Awards “With Distinction”

Awards “with distinction” may be made annually for distinguished academic performance. The awards are made to graduates of associate diploma, diploma, degree and graduate diploma courses, except for those courses where degrees may be awarded with honours.

Selection for the award is based on the student’s academic performance in the course. The level of performance required for the award is selected so that on average no more than 20 per cent of the graduates of a course receive the award “with distinction”.

Owen J. Wordsworth Memorial Scholarship

The Owen J. Wordsworth Scholarship is available to full-time students in Masters degree programs at QUT. Full details concerning the benefits of the scholarship, application procedures, selection criteria and other conditions are available from the Registrar.

Applications for the award must be lodged with the Registrar by October 31 each year.