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## Academic Programs

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# **UNIVERSITY-WIDE AND INTERFACULTY 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 or 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 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.

2.1.1 A candidate who is unable to devote to the course the proportion of time specified in Section 2.1 may register as a part-time student.

2.1.2 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.

2.1.3 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 their 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 5.0 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 their 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 masters 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 masters 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 masters degree at QUT or elsewhere may apply for transfer to the PhD degree.

5.3 Application for transfer of registration from a masters degree must be made on the prescribed form and normally may be made after at least 12 months registration in the masters 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 masters degree, a transfer normally may be approved only if the candidate has attained a grade point average of at least 5.0 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 masters 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 masters 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 they are 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 Health (HL84) (Refer also to entry in the Faculty of Health section.)
- ☐ the Faculty of Information Technology (IT84) (Refer also to entry in the Faculty of Information Technology section.)

- ☐ the Faculty of Science (SC80) (Refer also to entry in the Faculty of Science section.)

## **Introduction**

The objectives of the course are:

- ☐ to provide postgraduate educational opportunities in specialised fields of applied science and information technology 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 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 information technology, 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 or 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 or she is a fit person to undertake the program
- ☐ has satisfied the academic board that he or 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 or 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 student 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 or 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.
- ☐ 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 Section 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 candidate to resubmit the thesis within one year for re-examination, or
- ☐ cancel the candidate's registration.

## ■ Master of Public Policy (IF64)

**Location:** Gardens Point campus. (Elective units may be offered on other campuses.)

**Course Duration:** 1½ years full-time, 3 years part-time

**Total Credit Points:** 144

**Course Coordinator:** Dr Peter Carroll

This degree is administered by the School of Economics and Public Policy in the Faculty of Business, with the participation of the faculties of Arts, Built Environment and Engineering, Education, Health, Information Technology, Law, and Science.

The normal duration of the course is three semesters for full-time students. The third semester is devoted to the dissertation, which may be undertaken in a summer semester, enabling the course to be completed in one calendar year. The normal duration for part-time students is six semesters. If the dissertation is undertaken over two summer semesters, the course may be completed, part-time, in two calendar years.

### Entry Requirements

Applicants for admission to candidature for the degree of Master of Public Policy normally should have at least two years relevant professional experience, and a Bachelor's degree, or equivalent, with a grade point average of 5 or above.

Alternatively, candidates who produce evidence of other qualifications and experience which are considered by the Dean to qualify the candidate for admission may be accepted.

### Course Structure

The program structure is divided into two parts. The first part is composed of the eight units, as specified below. The second part consists of the dissertation with a weight of 48 credit points. Each unit will normally have a credit value of 12 points, though, at the discretion of the Course Coordinator, provision can be made for units with a credit value of more or less than 12 credit points provided the total of credit points for coursework units is 96.

The taught units comprise a common core of five units, totalling 60 credit points, plus 36 credit points of applied policy electives selected from an approved list of units, for a total of 96 credit points. Elective, applied policy units will be available from faculties and schools participating in the program.

The initial list of elective units is provided below, grouped into policy specialisations. The list of units available will vary over time as schools add and delete relevant units, depending upon demand. As noted above, students must do 36 credit points of electives. Within this 36 credit points students must undertake a minimum of 24 credit points from one specialisation. The remaining 12 credit points may be taken from the selected specialisation or from any of the other listed specialisations. Students may select any of the listed units provided that they have the necessary prerequisites.

Students who successfully complete the taught units, normally with a GPA of at least 4.0, are required to write a dissertation on an area of interest in the public policy field of not more than 30,000 words.

Credit and/or unit substitutions may be granted up to a maximum of 48 credit points with the approval of the Course Coordinator. In the case of unit substitutions, the substituted unit will be a policy oriented unit chosen by the student and subject to the approval of the Course Coordinator.

All students undertake a research dissertation. Each student will be assigned to a supervisor, subject to the approval of the Course Coordinator, in consultation with the relevant Head of School. In general, the supervisor will be responsible for providing guidance in relation to the choice, preparation and submission of the dissertation. Both supervisor and student will observe QUT's Code of Good Practice in relation to the duties of a supervisor and student (refer to the University Manual of Policy and Procedures (MOPP), Appendix 66). The dissertation will be presented in accord with QUT policy, as listed in the MOPP, Appendix 51.

Supervisors shall be appointed when students commence the Research Seminar unit. The supervisor shall not be an examiner of the dissertation. The dissertation will be examined by an examining committee of at least three, appointed by the Dean, and consist of at least two examiners, one of whom may be external to the University, plus the Course Coordinator, who will act as chair of the examining committee.

#### **Full Time Course Structure**

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
<b>Year 1, Semester 1</b>			
EPN104	Policy Analysis	12	3
EPN106	Program Management	12	3
EPN117	Economics and Public Policy	12	3
	Applied Policy Elective Unit	12	
<b>Year 1, Semester 2</b>			
EPN118	Research Seminar	12	3
LWS010	Public Law	12	3
	Applied Policy Elective Unit	12	
	Applied Policy Elective Unit	12	
<b>Year 2, Semester 1</b>			
BSN151	Research Dissertation	48	

#### **Part- time Course Structure**

<b>Year 1, Semester 1</b>			
EPN104	Policy Analysis	12	3
EPN117	Economics and Public Policy	12	3
<b>Year 1, Semester 2</b>			
EPN118	Research Seminar	12	3
LWS010	Public Law	12	3
<b>Year 2, Semester 1</b>			
EPN106	Program Management	12	3
	Applied Policy Elective Unit	12	
<b>Year 2, Semester 2</b>			
	Applied Policy Elective Unit	12	
	Applied Policy Elective Unit	12	
<b>Year 3, Semester 1</b>			
BSN151/1	Research Dissertation	24	

**Applied Policy Elective Specialisations**

The applied policy electives offer a wide range of choice to the student. At present the following specialisations are available. Apart from a wide range of available policy areas, those students wishing to develop specific skills in the area of financial analysis and management may wish to select the financial management specialisation option which has been provided.

**Economic Policy**

EPN108	Developments in Microeconomic Theories	12	3
EPN111	Contemporary Macroeconomic Theories	12	3
EPN114	Industry Policy	12	3
EPN115	Environmental Economics and Policy	12	3

**Education Policy**

CPN604	Equity & Educational Management: Issues & Strategies	12	3
CPN607	Global Change, Diversity & Education	12	3
CPN608	Gender Equity and Education Policy	12	3
CPN609	Policy for Practitioners	12	3
CPN610	Youth Policies and Post-Compulsory Education	12	3
EAN602	Early Childhood Services and Policies	12	3

**Environmental Policy**

EPN115	Environmental Economics and Policy	12	3
LWN049	International Environmental Law	12	2
LWN060	Environmental Legal System	12	2
LWN061	Natural Resources Law	12	2
LWN062	Federal Environmental Law	12	2
LWN063	Comparative Environmental Law	12	2

**Financial Management**

AYN101	Accounting Principles	12	3
FNN102	Managerial Finance	12	3
FNN104	Financial Risk Management	12	3
FNN303	Management Accounting	12	3

**Health Policy**

PUN601	Contemporary Health Policies	12	3
PUN608	Economics and Health	12	3
PUN609	Health Care Finance	12	3
PUN610	Health Services Management	12	3
PUN612	Advance Health Evaluation	12	3
PUN613	Public Health Interventions: Principles and Practice	12	3
PUN692	Health Care Delivery Systems	12	3
PUP010	Health in Australian Society	12	3
PUP022	Health Promotion Concepts and Policy: A Critical Analysis	12	3

**Housing and Urban Policy**

CEP131	Engineering Management and Administration	12	3
PSN111	Comparative Planning Theory	6	2
PSN112	Concentration Studies	12	2.5
PSN114	Metropolitan Planning Practice and Law	12	3
PSN123	Planning in Developing Countries	6	2
PSN124	Option Course	12	2
PSN125	Housing Policy & Housing Problems: An International Perspective	12	3
PSN126	The Australian Housing System and Policies	12	3
PSP434	Urban Services and Functions	4	1

## **Human Resources and Industrial Relations Policy**

HRN105	Labour-Management Relations	12	3
HRN112	Business Policy	12	3
HRP103	Industrial Relations Strategy and Policy	12	3
HRP106	Industrial Relations and Society	12	3
HRP110	Human Resource Management	12	3

## **Industry Policy**

EPN113	Australian Trade and Foreign Policy	12	3
EPN114	Industry Policy	12	3
EPN115	Environmental Economics and Policy	12	3

## **Information Technology and Communication Policy**

ITN220	Major Issues in Information Systems	12	3
ITN340	Information Agencies	12	3
ITN341	Information Policy & Planning	12	3
MJP102	Communication Policy Environment	12	3

## **Public Policy in the International Context**

EPN109	International Business Policy and Competitive Strategies	12	3
EPN110	Regional Study	12	3
EPN113	Australian Trade and Foreign Policy	12	3
FNN105	International Finance	12	3
HRP100	International Industrial Relations	12	3
LWN049	International Environmental Law	12	2

## **Science and Technology Policy**

CHP920	Technology Assessment and Forecasting	12	3
EPN119	Science and Technology Policy	12	3

## **■ Master of Quality (IF66)**

**Location:** Gardens Point campus

**Course Duration:** 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Professor Ian Saunders

This course is administered by the Academic Boards of the Faculties of Built Environment and Engineering, Business and Science through the Australian Centre in Strategic Management.

### **Entry Requirements**

Applicants for the Master of Quality normally will enrol first for the Graduate Diploma in Quality. Students who perform adequately in the Graduate Diploma (normally a GPA of 5 or higher) will be eligible to proceed with the Master of Quality.

Suitably qualified applicants may be exempted from some or all of the requirements of the Graduate Diploma.

### **Course Structure**

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>	<b>Duration (Wks)</b>
<b>Year 1, Semester 1</b>				
BSN143	Implementing & Sustaining Total Quality Management	12	3	14
MAN120	Quantitative Systems Analysis	6	3	7
MEN180	Project Management	6	3	7
<b>Year 1, Semester 2</b>				
HRN112	Business Policy	12	3	14
HRN114	Legal & Industrial Requirements	6	3	7
MEN181	Loss Control Management	6	3	7

**Year 2, Semester 1**

BSN149	Project	12		14
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Select one unit from the following:

EPP101	Economic Analysis	6	3	7
ISN380	Information Systems & Quality	6	3	7

**■ Graduate Diploma in Quality (IF69)**

**Course Duration:** 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Ian Ogle

This course is administered by the Academic Boards of the Faculties of Built Environment and Engineering, Business and Science through the Australian Centre in Strategic Management.

**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 the applicant's qualifications, background experience, current employment position and other similar factors.

Part-Time Course Structure		Credit Points	Contact Hrs/Wk	Duration (Wks)
<b>Year 1, Semester 1</b>				
FNP101	Quality Cost Analysis	6	3	7
HRP111	Quality Systems Management	12	3	14
MEP173	Quality Planning	6	3	7
<b>Year 1, Semester 2</b>				
HRP102	Human Factors in Quality	6	3	7
MAP111	Statistical Methods in Quality	6	3	7
MEP274	Quality Systems Implementation & Maintenance	12	3	14
<b>Year 2, Semester 1</b>				
MAP212	Statistical Quality Control	12	3	14
Select one of the following units:				
HRP112	Management of Service Quality	12	3	14
MEP372	Measurement, Testing & Reliability	12	3	14
<b>Year 2, Semester 2</b>				
IFP222	Project	12	3	14
MAP222	Quality Improvement	12	3	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 5.0 or an average grade of credit over the entire basic course, including grades of at least credit in all units 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 unit 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 units 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 Applied Science/Bachelor of Laws (IF34)

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 52.8

**Course Coordinators:**

Science: Dr Don Field

Law: Professor Malcolm Cope

### Professional Recognition

For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

### Transitional Arrangements

In 1994 the Law Faculty introduced a restructured Bachelor of Laws degree. The restructured degree affects the Law component of the Bachelor of Applied Science/Bachelor of Laws degree (IF34) offered by the University. The first two years of the four year full-time program (or the equivalent units in other combined Law programs) were introduced in 1994. The final two years of the four year full-time program (or the equivalent units in combined Law programs) will be introduced in 1995.

**Full-Time Course Structure**

Credit Points	Contact Hrs/Wk
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For detailed information on the range and availability of units within the applied sciences refer to the entry for Bachelor of Applied Science (SC30) in the Faculty of Science section.

**Year 1, Semester 1**

LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research & Legal Reasoning	12	3
	3 Science Units from the SC30 First Schedules <sup>1</sup>	36	

**Year 1, Semester 2**

LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
	3 Science Units from the SC30 First Schedules <sup>1</sup>	36	

**Year 2, Semester 1**

LWB132/1	Contracts	12	3
	3 Science Units from the SC30 Second Schedules <sup>1</sup>	36	

**Year 2, Semester 2**

LWB132/2	Contracts	12	3
	3 Science Units from the SC30 Second Schedules <sup>1</sup>	36	

**Year 3, Semester 1**

LWB133/1	Torts	12	3
LWB232/1	Criminal Law & Procedure	12	3
	2 Science Units from the SC30 Third Schedules <sup>1</sup>	24	

**Year 3, Semester 2**

LWB133/2	Torts	12	3
LWB232/2	Criminal Law & Procedure	12	3
	2 Science Units from the SC30 Third Schedules <sup>1</sup>	24	

**Year 4, Semester 1**

LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
LWB332	Property 2	12	3
LWB331	Administrative Law	12	3

**Year 4, Semester 2**

LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB333	Theories of Law	12	3
LWB334	Corporate Law	12	3

**Year 5, Semester 1**

LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>2</sup>		

**Year 5, Semester 2**

LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units <sup>2</sup>		

<sup>1</sup> Students will be required to attend an advisory session with an academic adviser to select their science units.

<sup>2</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of one 8 credit point elective unit in a semester. A student may undertake as electives units offered by other faculties or schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.



## Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Arts/Bachelor of Laws (IF36)

**Location:** Carseldine and Gardens Point campuses

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 52.8

**Course Coordinators:**

Arts: Dr Wayne Hindsley

Law: Professor Malcolm Cope

### Professional Recognition

For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook.

### Transitional Arrangements

In 1994 the Law Faculty introduced a restructured Bachelor of Laws degree. The restructured degree affects the Law component of the Bachelor of Arts/Bachelor of Laws degree (IF36) offered by the University. The first two years of the four year full-time program (or the equivalent units in combined Law programs) were introduced in 1994. The final two years of the four year full-time program (or the equivalent units in combined Law programs) will be introduced in 1995.

### Full Time Course Structure

Credit Points	Contact Hr/Wk
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#### Years 1 and 2

Refer to the course structure for Years 1 and 2 in the Bachelor of Arts (HU20) entry in the Faculty of Arts section.

#### Year 3, Semester 1

LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	3
LWB134	Research & Legal Reasoning	12	3

#### Year 3, Semester 2

LWB131/2	Law in Context	12	3
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	3
LWB135	Legislation	12	3

#### Year 4, Semester 1

LWB231	Introduction to Public Law	12	3
LWB232/1	Criminal Law & Procedure	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
LWB332	Property 2	12	3

### Year 4, Semester 2

LWB232/2	Criminal Law & Procedure	12	3
LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB334	Corporate Law	12	3

### Year 5, Semester 1

LWB331	Administrative Law	12	3
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>2</sup>		

### Year 5, Semester 2

LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units <sup>2</sup>		

### Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Business/Bachelor of Laws (IF40)

**Available Majors:** Banking & Finance, Economics, Human Resource Management, Industrial Relations, International Business, Journalism, Management, Marketing, and Public Sector Management.

**Location:** Gardens Point campus (Study on other campuses may be required dependent on major selected).

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-time Semester:** 60

**Course Coordinators:** To be determined

### Professional Recognition

For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland, please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook. For information on the academic requirements of the accrediting bodies recognising study in the Bachelor of Business component, refer to the section on professional recognition in the relevant majors within the Bachelor of Business course entry.

### Course Structure

The structure given below represents the law component of the degree only. Students supplement this program with one major, undertaken in the Faculty of Business, selected from the following: Banking and Finance; Economics; Human Resource Management;

<sup>2</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of one 8 credit point elective unit in a semester. A student may undertake as electives units offered by other faculties or schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.

Industrial Relations; International Business; Journalism; Management; Marketing; or Public Sector Management. For information on the units within each of the majors, refer to the relevant section in the Bachelor of Business (BS50) course entry.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
<b>Year 1, Semester 1</b>			
	Three units from selected Business Major (Please refer to BS50 Bachelor of Business course structure for units annotated as @ in the relevant Primary Major)	36	
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3
<b>Year 1, Semester 2</b>			
	Three units from selected Business Major	36	
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
<b>Year 2, Semester 1</b>			
	Three units from selected Business Major	36	
LWB132/1	Contracts	12	3
<b>Year 2, Semester 2</b>			
	Three units from selected Business Major	36	
LWB132/2	Contracts	12	3
<b>Year 3, Semester 1</b>			
	Two units from selected Business Major	24	
LWB133/1	Torts	12	3
LWB232/1	Criminal Law & Procedure	12	3
<b>Year 3, Semester 2</b>			
	Two units from selected Business Major	24	
LWB133/2	Torts	12	3
LWB232/2	Criminal Law & Procedure	12	3
<b>Year 4, Semester 1</b>			
LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
LWB332	Property 2	12	3
LWB331	Administrative Law	12	3
<b>Year 4, Semester 2</b>			
LWB235	Australian Federal Constitutional Law	12	3
LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB334	Corporate Law	12	3
LWB333	Theories of Law	12	3
<b>Year 5, Semester 1</b>			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>3</sup>		

<sup>3</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of an 8 credit point elective in a semester. A student may undertake as electives units offered by other faculties or schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.

However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major.

In selecting their electives students should consult the Course Coordinator of the relevant major for approval.

## Year 5, Semester 2

LWB433	Professional Responsibility	12	3
LWB434	Advanced Research and Legal Reasoning	12	3
Electives Units <sup>3</sup>			

### Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Business (Accountancy)/Bachelor of Laws (IF37)

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 540

**Standard Credit Points/Full-Time Semester:** 54

### Course Coordinators:

Business: Mr Robert Humphreys

Law: Professor Malcolm Cope

### Professional Recognition

The combined Accountancy/Law degree satisfies the academic requirements of the Institute of Chartered Accountants in Australia and the Australian Society of Certified Practising Accountants. For membership purposes, the ASCPA will not accept a grade of 3 in core accounting units unless a grade of 4 or better is achieved in a subsequent core unit. For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

### Transitional Arrangements

In 1994 the Law Faculty introduced a restructured Bachelor of Laws degree. The restructured degree affects the Law component of the Bachelor of Business (Accountancy)/Bachelor of Laws degree offered by the University. The first two years of the four year full-time program (or the equivalent units in combined law programs) were introduced in 1994. The final two years of the four year full-time program (or the equivalent units in combined law programs) will be introduced in 1995.

<sup>3</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of an 8 credit point elective in a semester. A student may undertake as electives units offered by other faculties or schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.

However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major.

In selecting their electives students should consult the Course Coordinator of the relevant major for approval.

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

AYB110	Accounting	12	4
EPB150	Microeconomics	12	3
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research & Legal Reasoning	12	3
MAB173	Quantitative Methods	12	3

**Year 1, Semester 2**

AYB111	Financial Accounting	12	4
EPB110	Business Statistics	12	3
ISB892	Business Computing	12	4
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3

**Year 2, Semester 1**

AYB101	Computerised Accounting Systems	12	4
AYB112	Company Accounting	12	4
EPB140	Macroeconomics	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	3

**Year 2, Semester 2**

BSB102	Management & Organisation	12	3
FNB111	Finance 1	12	4
FNB123	Managerial Accounting 1	12	4
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	3

**Year 3, Semester 1**

AYB210	Auditing	12	3
FNB112	Finance 2	12	4
FNB124	Managerial Accounting 2	12	4
LWB231	Introduction to Public Law	12	3
LWB232/1	Criminal Law & Procedure	12	3

**Year 3, Semester 2**

AYB113	Accounting Theory & Applications	12	4
LWB232/2	Criminal Law & Procedure	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB366	Law of Commercial Entities	8	2

**Year 4, Semester 1**

LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
LWB331	Administrative Law	12	3
LWB332	Property 2	12	3

**Year 4, Semester 2**

LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB333	Theories of Law	12	3
LWB334	Corporate Law	12	3

**Year 5, Semester 1**

LWB364	Introduction to Taxation Law	12	3
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>4</sup>		

**Year 5, Semester 2**

LWB359	Advanced Taxation Law	12	2
LWB433	Professional Responsibility	12	3

## Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Information Technology/Bachelor of Laws (IF38)

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 52.8

**Course Coordinators:**

Information Technology: Mr Bob Smyth

Law: Professor Malcolm Cope

## 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. For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

## Transitional Arrangements

In 1994 the Law Faculty introduced a restructured Bachelor of Laws degree. The restructured degree affects the Law component of the Bachelor of Information Technology/Bachelor of Laws degree offered by the University. The first two years of the four year full-time program (or the equivalent units in combined law programs) were introduced in 1994. The final two years of the four year full-time program (or the equivalent units in combined law programs) will be introduced in 1995.

## Full Time Course Structure

		Credit Points	Contact Hrs/Wk
<b>Year 1, Semester 1</b>			
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB210	Formal Representation	12	3
ITB310	Information Management 1	12	3
ITB410	Software Development 1	12	3
<b>Year 1, Semester 2</b>			
BSB103	Business Communications & Applications	12	3
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB411	Software Development 2	12	3
ITB412	Technology of Information Systems	12	3

<sup>4</sup> A student is required to complete 32 credit points of elective units and must normally enrol in a minimum of an 8 credit point elective in a semester. A student may undertake as electives units offered by other faculties of schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.

### Year 2, Semester 1

ITB220	Database Design	12	3
ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB520	Data Communications	12	3
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3

### Year 2, Semester 2

ITB223	Laboratory 4 (4GL Programming)	12	3
ITB233	File Structures	12	3
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3

### Year 3, Semester 1

ITB222	Systems Analysis & Design 1	12	3
ITB230	Project	12	
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	3
LWB232/1	Criminal Law & Procedure	12	3

### Year 3, Semester 2

ITB241	Information Systems Management	12	3
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	3
LWB232/2	Criminal Law & Procedure	12	3

### Year 4, Semester 1

LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
LWB332	Property 2	12	3

### Year 4, Semester 2

LWB233/2	Property 1		
LWB234/2	Equity & Trusts	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB334	Corporate Law	12	3

### Year 5, Semester 1

LWB331	Administrative Law	12	3
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>3</sup>		

### Year 5, Semester 2

LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units <sup>3</sup>		

### Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester

<sup>3</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of an 8 credit point elective in a semester. A student may undertake as electives units offered by other faculties or schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.

However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major.

In selecting their electives students should consult the Course Coordinator of the relevant major for approval.

depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Information Technology/Bachelor of Laws (IF33)

**Course Discontinued:** No further intakes. This course has been replaced by Bachelor of Information Technology/Bachelor of Laws (IF38).

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

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

**Course Coordinators:**

Information Technology: Mr Bob Smyth

Law: Professor Malcolm Cope

### Course Structure (Continuing Students only)

		Credit Points	Contact Hrs/Wk
<b>Year 5, Semester 1</b>			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units <sup>3</sup>		
<b>Year 5, Semester 2</b>			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units <sup>3</sup>		

### Elective Units

For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all electives is subject to the approval of the Dean of the Faculty of Law.

## ■ Bachelor of Engineering (Electronics)/Bachelor of Information Technology (IF23)<sup>5</sup>

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 496

<sup>3</sup> A student is required to complete 48 credit points of elective units and must normally enrol in a minimum of an 8 credit point elective in a semester. A student may undertake as electives units offered by other faculties or schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the faculty or school responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.

However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major.

In selecting their electives students should consult the Course Coordinator of the relevant major for approval.

<sup>5</sup> See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.



**Standard Credit Points/Full-Time Semester:** 49.1 (average)

**Course Coordinators:**

Information Technology: Dr Gerry Finn

Engineering: Mr John Edwards

**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.

**Special Course Requirements**

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Built Environment and Engineering Faculty Office) a report in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record. Forms are available from the Faculty Industrial Experience Officer in Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial experience/practice.

**Full-Time Course Structure**

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
<b>Year 1, Semester 1</b>			
EEB101	Circuits & Measurements	6	3
EEB380	Engineering Management Skills	8	3
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB410	Software Development 1	12	3
MAB103	Introductory Engineering Mathematics <sup>6</sup>	(8)	(3)
MAB187	Engineering Mathematics 1A	8	3
PHB134	Engineering Physics 1B	8	3
<b>Year 1, Semester 2</b>			
EEB203	Circuit Analysis	6	3
EEB271	Basic Electronic Devices	8	3
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB411	Software Development 2	12	3
PHB234	Engineering Physics 2B	8	3
MAB188	Engineering Maths 1B	8	3
<b>Year 2, Semester 1</b>			
EEB302	Electrotechnology	6	3
EEB303	Network Theory 1	8	3
EEB362	Introduction to Communications Systems	6	3
EEB371	Electronic Devices	5	3
EEB372	Sequential Logic	7	3
ITB421	Data Structures & Algorithms	12	3
MAB493/1	Engineering Mathematics 2	6	3
<b>Year 2, Semester 2</b>			
EEB401	Network Theory 2	6	3
EEB471	Electronics	8	3

<sup>6</sup> MAB103 Introductory Mathematics is to be taken only by those students not obtaining a HA or better in Maths B and a SA or better in Maths C or its equivalent.

EEB474	Microprocessors	6	3
ITB420	Computer Architecture	12	3
ITB422	Laboratory 3 (ADTs in a UNIX Environment)	12	3
ITB431	Programming Language Paradigms	12	3
MAB493/2	Engineering Mathematics 2	6	3

### Year 3, Semester 1

EEB473	Integrated Electronics	6	3
EEB520	Control Engineering	6	3
EEB563	Signals & Linear Systems	6	3
EEB573	Industrial Electronics	6	3
EEB591	Systems Programming Languages	6	3
EEB661	Information Theory & Noise	6	3
MAB893	Engineering Mathematics 3	6	3

### Year 3, Semester 2

EEB587	Design 1	6	3
EEB602	Signal Processing	6	3
EEB967	Digital Communications	6	3
ITB424	Software Engineering Principles	12	3
ITB440	Languages & Language Processing	12	3
MAB894	Engineering Mathematics 4	6	3

### Year 4, Semester 1

EEB620	Control Systems Analysis	6	3
EEB788	Design 2	8	3
EEB821	Production Technology & Quality	6	3
EEB968	Digital Signal Processing	6	3
EEB971	Applied Electronics	6	3
ITB430	Concurrent Systems	12	3

### Year 4, Semester 2

EEB430	Engineering Fields	6	3
EEB621	Advanced Control Systems	6	3
EEB820	Engineering Management	8	3
EEB887	Design 3	6	3
ITB423	Laboratory 4 (Software Development)	12	3
ITB450	Advanced Computer Architectures	12	3

### Year 5, Semester 1

EEB562	Transmission & Propagation	6	3
EEB891	Signal Computing & Real-time DSP	8	3
	Computing Elective Unit	12	
	Electrical Elective Unit	7	

Select one of the following units:

CSB980/1	Project	15	
EEB789/1	Project	15	

### Year 5, Semester 2

EEB888	Design 4	10	3
	Computing Elective Unit	12	
	Electrical Elective Unit	7	

Select one of the following units:

CSB980/2	Project	15	
EEB789/2	Project	15	6

### ELECTIVE UNITS

#### Computing Elective Units

Any Computing Science unit in the Bachelor of Information Technology at a level higher than first year.

#### Electrical Elective Units

EEB761	Statistical Communication	7	3
EEB841	Mining Electrotechnology	7	3

EEB922	Computer Controlled Systems	7	3
EEB951	High Voltage Equipment	7	3
EEB954	Electrical Energy Utilisation	7	3
EEB955	Power Electronics Application	7	3
EEB956	Photovoltaic Engineering	7	3
EEB961	Communication Techniques	7	3
EEB962	Microwave Systems Engineering	7	3
EEB969	Digital Spectral Analysis	7	3
EEB972	Integrated Electronic Techniques	7	3

**Note:** Any advanced unit not previously completed in either the Electrical and Computer Engineering or Computing Science degree courses may be studied as an elective unit. Not all of these elective units will be run. See the Faculty Office/School noticeboards before enrolling.

## ■ Bachelor of Engineering (Manufacturing Systems)/ Bachelor of Business (Marketing) (IF56)

**Location:** Gardens Point

**Course Duration:** 5 years full-time

**Total Credit Points:** 546

**Standard Credit Points/Full-Time Semester:** 54

**Course Coordinator:** Dr R.M. Iyer

### Professional Recognition

Membership, the Institution of Engineers, Australia.

Diploma, Australian Institute of Export

### Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Employment Officer in Room 1006, ITE Building, Gardens Point campus and also from the Faculty Office.

Students should not formally enrol in industrial employment/practice.

**Note:** The new course structure listed below will be introduced from 1995. Students entering the course in 1995 will follow the new course structure. Continuing students should consult the course summary sheet for transition arrangements.

### Full-Time Course Structure

#### Year 1, Semester 1

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
CEB184	Engineering Mechanics 1	6	3
COB160	Professional Communication (Business)	12	3
MAB103	Introductory Mathematics <sup>6</sup>	(8)	(3)

<sup>6</sup> MAB103 Introductory Mathematics is to be taken only by those students not obtaining a HA or better in Maths B and a SA or better in Maths C or its equivalent.

MAB187	Engineering Mathematics 1A	8	3
MEB173	Manufacturing Practice	8	3
MKB140	Principles of Marketing	12	3
PHB134	Engineering Physics 1B	8	3
<b>Year 1, Semester 2</b>			
AYB100	Accounting for Managers	12	3
EPB109	Business Methodology	12	3
MAB188	Engineering Mathematics 1B	8	3
MEB111	Dynamics	8	3
MEB133	Materials	6	3
MEB212	Mechanics of Solids	6	3
<b>Year 2, Semester 1</b>			
ALB110	Business Law	12	3
CSB192	Introduction to Computing	8	3
EEB101	Circuits and Measurements	6	3
EPB116	Economic Principles 1	12	3
MAB487	Engineering Mathematics 2A	8	3
MEB121	Engineering Graphics	6	3
<b>Year 2, Semester 2</b>			
BSB102	Management & Organisation	12	3
CSB491	Unix and C	4	2
EEB209	Electrical Engineering 2M	6	3
MAB488	Engineering Mathematics 2B	8	3
MEB101	Design 1	8	3
MEB473	Manufacturing Engineering 1	8	4
MKB142	Consumer Behaviour	12	3
<b>Year 3, Semester 1</b>			
FNB107	Corporate Finance	12	4
MEB314	Mechanics 1	8	4
MEB334	Materials 2	8	4
MEB352	Thermodynamics 1	8	4
MEB363	Fluids 1	8	4
MEB572	Manufacturing Engineering 2	8	4
<b>Year 3, Semester 2</b>			
EEB270	Digital Design Principles	6	3
HRB131	Personnel Management & Industrial Relations	12	3
MEB641	Automation 1	8	4
MEB672	Total Quality Management	8	3
MEB676	Design for Manufacturing 1	8	3
MKB141	Marketing Management	12	3
<b>Year 4, Semester 1</b>			
HRB116	Innovation & Entrepreneurship	12	3
MEB662	Fluid Power	8	4
MEB675	Plastics Technology	8	4
MEB774	Operations Management	8	3
MEB776	Design for Manufacturing 2	8	3
MKB151	Marketing Research	12	3
<b>Year 4, Semester 2</b>			
FNB120	International Finance	12	4
MEB661	Tribology	8	4
MEB873	Computer Integrated Manufacturing	8	4
MEB971	Knowledge Based Manufacturing Systems	8	3
MEB979	Manufacturing Resources Planning	8	3
MKB148	Marketing Decision Making	12	3
<b>Year 5, Semester 1</b>			
MEB901	Industry Project	32	40
MKB143	Export Management	12	3
MKB149	International Marketing	12	3

**Year 5, Semester 2**

MEB775	Technology Management	8	3
MEB871	Computer Control of Manufacturing Systems	8	4
MEB872	Design for Manufacturing 3	8	3
MKB155	Strategic Marketing	12	3
	Group A Elective Unit	8	
	Group B Elective Unit	12	

**Elective Units****Group A**

MEB531	Advanced Materials	8	3
MEB601	Special Topic 2	8	3
MEB740	Maintenance Management & Technology	8	3
MEB800	Special Topic 4	8	3

**Group B**

EPB133	Globalisation & World Business	12	3
HRB118	International Management	12	3
HRB135	Small Business Management	12	3
HRB140	Management & Technology	12	3
MKB136	Marketing Logistics	12	3
MKB146	Services Marketing	12	3

**■ Bachelor of Information Technology/Bachelor of Surveying (IF54)<sup>5</sup>****Location:** Gardens Point campus**Course Duration:** 5 years full-time**Total Credit Points:** 542**Standard Credit Points/Full-Time Semester:** 55 (average)**Course Coordinators:**

Surveying: Associate Professor Brian Hannigan

Information Technology: 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 Surveyors Board of Queensland for registration as a surveyor, but not for licensing.

**Special Course Requirements**

Students must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.

Students must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Surveying Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School of Planning, Landscape Architecture and Surveying Office or the Faculty Industrial Employment Officer in Room ITE1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the

<sup>5</sup> See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.

report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience/practice.

Students may be required to attend camps off-campus and/or practical sessions in the Moreton region.

<b>Full-Time Course Structure</b>		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
<b>Year 1, Semester 1</b>			
BNB001	Learning at University	2	1.5
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB210	Formal Representation	12	3
ITB410	Software Development 1	12	3
MAB103	Introductory Engineering Mathematics <sup>6</sup>	(8)	(3)
MAB187	Engineering Mathematics 1A	8	3
PSB325	Land Surveying 1	8	3
<b>Year 1, Semester 2</b>			
BSB103	Business Communications & Applications	12	3
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB412	Technology of Information Systems	12	3
MAB188	Engineering Mathematics 1B	8	3
PSB054	Environmental Science	4	2
PSB326	Land Surveying 2	8	3
<b>Year 2, Semester 1</b>			
ESB229	Geology in the Built Environment	6	2
ITB220	Database Design	12	3
ITB310	Information Management 1	12	3
MAB494	Survey Mathematics 1	6	3
MEB121	Engineering Graphics	6	3
PHB134	Engineering Physics 1B	8	3
PSB327	Land Surveying 3	10	3
<b>Year 2, Semester 2</b>			
ITB411	Software Development 2	12	3
MAB496	Survey Mathematics 2	6	3
PHB172	Physics for Surveyors	6	3
PSB306	Cartography 1	8	3
PSB315	Land Administration 1	6	3
PSB334	Photogrammetry 1	6	3
PSB342	Spatial Information Science 1	8	3
<b>Year 3, Semester 1</b>			
ITB320	Laboratory 3 (Database Applications)	12	3
ITB331	Information Management 2	12	3
MAB795	Survey Mathematics 3	6	3
MAB893	Engineering Mathematics 3	8	3
MEB221	Engineering Science 1	6	3
PSB307	Cartography 2	8	3
PSB340	Remote Sensing 1	6	3
<b>Year 3, Semester 2</b>			
ITB323	Laboratory 4 (Information Support Methods)	12	3
PSB303	Analysis of Spatial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB317	Land Administration 3	8	3
PSB328	Land Surveying 4	8	3
SSB937	Applied Cognitive Psychology	12	3

<sup>6</sup> MAB103 Introductory Mathematics is to be taken only by those students not obtaining a HA or better in Maths B and a SA or better in Maths C or its equivalent.

### Year 4, Semester 1

ITB321	Systems Analysis	12	3
PSB304	Analysis of Spatial Measurement 2	6	3
PSB309	Cartography 4	8	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB335	Photogrammetry 2	8	3
PSB346	Spheroidal Computations	6	3

### Year 4, Semester 2

ITB341	Information Management 3	12	3
ITB520	Data Communications	12	3
PSB310	Geodesy 1	6	3
PSB330	Land Surveying 6	8	3
PSB336	Photogrammetry 3	8	3
PSB343	Spatial Information Science 2	8	3

### Year 5, Semester 1

IFB880/1	Project	12	3
ITB330	Information Issues & Values	12	3
PSB316	Land Administration 2	8	3
PSB324	Land Studies 2	6	3
PSB344	Spatial Information Science 3	8	3
	Elective Unit (Business)	12	

### Year 5, Semester 2

IFB880/2	Project	12	3
PSB338	Professional Practice	6	3
PSB345	Spatial Information Science 4	8	3
	Elective Unit(s)	24	

### Elective Units

General elective units may be chosen from any unit in a QUT degree course subject to prerequisites and approval. The offering of elective units in any semester depends on sufficient minimum enrolments and availability of staff.

Recommended Business/elective units are:

		Credit Points	Contact Hrs/Wk
<b>First Semester</b>			
AYB100	Accounting for Managers	12	3
BSB102	Management & Organisation	12	3
COB144	Creative Language for Communicators	12	3
EPB150	Microeconomics	12	3
MJB118	Fundamentals of Photography	12	3
MJB126	Video Production	12	3
MKB140	Principles of Marketing	12	3
<b>Second Semester</b>			
BSB102	Management & Organisation	12	3
COB134	Speech Communication: Theory & Practice	12	3
EPB124	Government	12	3
EPB140	Macroeconomics	12	3
HRB131	Personnel Management & Industrial Relations	12	3
MKB124	Public Relations Principles	12	3
MKB140	Principles of Marketing	12	3

## ■ Bachelor of Applied Science (Surveying)/Bachelor of Information Technology (IF52)<sup>5</sup>

**Course Discontinued:** No further intakes. This course has been replaced by the Bachelor of Surveying / Bachelor of Information Technology (IF54). Years 3 to 5 are offered to continuing students only.

**Location:** Gardens Point campus

**Course Duration:** 4.5 years full-time

**Total Credit Points:** 468

**Standard Credit Points/Full-Time Semester:** 52 (average)

**Course Coordinators:**

Surveying: Associate Professor Brian Hannigan

Information Technology: 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 Surveyors Board of Queensland for registration as a surveyor, but not for licensing.

### Special Course Requirements

Students must obtain at least 90 days of industrial experience/practice, either in a surveying or computing environment approved by the Course Coordinator.

Students must not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available for the School Office, or the Faculty Office, Faculty Industrial Experience Officer in Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience/practice.

Full-Time Course Structure (Continuing Students only)		Credit Points	Contact Hrs/Wk
<b>Year 3, Semester 1</b>			
ESB229	Geology for the Built Environment	6	2
ITB320	Laboratory 3 (Database Applications)	12	3
PHB134	Engineering Physics 1B	8	3
PSB054	Environmental Science	4	2
PSB307	Cartography 2	8	3
PSB327	Land Surveying 3	10	3
SVB551	Land Valuation	6	3
SVB563	Land Information Systems 2	4	2

<sup>5</sup> See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.



**Year 3, Semester 2**

ITB323	Laboratory 4 (Information Support Methods)	12	3
PHB172	Physics for Surveyors	6	3
PSB303	Analysis of Spatial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB328	Land Surveying 4	8	3
PSB334	Photogrammetry 1	6	3
SVB573	Land Administration 3	6	3

**Year 4, Semester 1**

ITB331	Information Management 2	12	3
ITB441	Graphics	12	3
MAB795	Survey Mathematics 3	6	3
PSB335	Photogrammetry 2	8	3
SVB535	Land Surveying 5	5	3
SVB551	Land Valuation	6	3
SVB563	Land Information Systems 2	4	2
	General Elective	12	

**Year 4, Semester 2**

IFB880/1	Project	12	3
ITB341	Information Management 3	12	3
SVB636	Land Surveying 6	6	3
SVB682	Seminar 2	2	1
SVB688	Professional Practice A	4	2
	Business Elective	12	

**Year 5, Semester 1**

IFB880/2	Project	12	3
ITB330	Information Issues & Values	12	3
SVB563	Land Information Systems 2	4	2
	Elective Unit (Business)	12	3
	Elective Unit	12	3

**Elective Units**

General elective units may be chosen from any unit in a QUT degree course subject to prerequisites and approval. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff.

Recommended Business elective units are:

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
<b>First Semester</b>			
AYB100	Accounting for Managers	12	3
BSB102	Management & Organisation	12	3
COB144	Creative Language for Communicators	12	3
EPB150	Microeconomics	12	3
MJB118	Fundamentals of Photography	12	3
MJB126	Video Production	12	3
MKB140	Principles of Marketing	12	3
<b>Second Semester</b>			
BSB102	Management & Organisation	12	3
COB134	Speech Communication: Theory & Practice	12	3
EPB124	Government	12	3
EPB140	Macroeconomics	12	3
HRB131	Personnel Management & Industrial Relations	12	3
MKB124	Public Relations Principles	12	3
MKB140	Principles of Marketing	12	3

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

**Location:** Gardens Point campus

**Course Duration:** 1 year

**Standard Credit Points/Part-Time Semester:** 24

**Coordinators:**

Mrs Jenny Danslow, Ms Deborah Messer

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

This program assists with articulation into certain courses within the faculties of Built Environment and Engineering, Information Technology, and Science.

Students are guided into a study program which takes account of their background and the course to which entry is sought. Units are selected from a combination of bridging units and units from the first year degree program to which entry is sought. The bridging units are as follows:

		<b>Credit Points</b>	<b>Contact Hrs/Wk</b>
CHS200	Chemistry	6	3
ITB001	Computing Practice (NOTE) 1	6	3
ITB002	Computing Practice (NOTE) 2	6	3
MAS090	Mathematics (a full year unit)	12	3
PHS021	Introductory Physics	6	3