

FACULTY OF INFORMATION TECHNOLOGY

INFORMATION
TECHNOLOGY

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FACULTY OF INFORMATION TECHNOLOGY

Information for all Information Technology students

Graduation rules

This information is relevant to all Faculty of Information Technology courses.

Students who commenced study towards a QUT award from Semester 1, 1990 (inclusive) are covered by QUT Student Rules, Procedures and Policies. To qualify for graduation, students admitted to courses offered by the Faculty of Information Technology on Gardens Point campus prior to 1990 should:

- (i) obtain a grade of at least 3 in all subjects specified for the award; and
- (ii) obtain a Graduation Index of at least 3.9. (Graduation Index is calculated as for grade point average but counting only the best results for a repeated subject and ignoring all subjects for which the best result is a 2 or a 1. A student may repeat any subject in order to upgrade the result and hence increase the Graduation Index.)

Rules and regulations

Students undertaking courses in the Faculty of Information Technology should acquaint themselves with Faculty policy on assessment, deferred examinations, and plagiarism in programming assignments. In many cases, Faculty policy is more explicit than University policy.

Faculty policy regarding use of University computer facilities

Access to computer accounts, E-mail, and bulletin board facilities via QUT equipment is provided solely to assist students in education and research. Use of such facilities by students for matters unrelated to their course of study or approved research represents misuse. Any misuse may result in fines, suspension of use of computer accounts, and/or strict disciplinary action.

Cooperative Education Program (Elective Subject ITB900 – Industrial Training Experience)

AIMS

The purpose of the Cooperative Education Program is to provide students with experience of a real world environment prior to the study of the more advanced aspects of the course in which they are enrolled. This experience:

- (i) enables the student to place the concepts learned in the first two years in context; and
- (ii) provides an experience that will enhance the benefits obtained from early study.

The Cooperative Education period necessarily involves reorientation and on-the-job training but students are expected to apply study skills to the acquisition of the necessary knowledge and, in general, employers are not expected to provide formal training.

SELECTION CRITERIA

To qualify for the Cooperative Education Program, students must have enrolled in the fourth semester (or equivalent) of their undergraduate degree, and either passed all subjects or attained an overall grade point average of 4.5 in the first three semesters (or equivalent). The option to review a student's grade point average at the end of the fourth semester is available to employers.

FEATURES

The Cooperative Education Program is offered under the guise of the subject ITB900 Industrial Training Experience and has the following features:

- The Faculty assists students to obtain suitable employment for the one-year period and also discusses the nature of the work to be undertaken with the employer. As employers choose their placements from interviews, the Faculty also arranges for students to attend sessions on interview techniques conducted by the Counselling Centre.
- An academic member of staff normally visits the student once per semester and discusses progress with the student and a representative of the employer.
- During the 12-month training period the student writes two reports on the experience, submits them to the employer for endorsement and comment, and then hands them to the Student Officer for assessment. The reports should highlight different aspects of the period, and include comments and recommendations.
- A pass in this module, as well as 18 credit points, will be granted on the basis of:
 - (i) satisfactory completion of an approved period of Cooperative Education; and
 - (ii) submission of satisfactory reports on the year's experience. The reports must be submitted not later than the due dates specified in the study guides.
- A salary is paid to the student by the employer during this training period.
- The Faculty carefully monitors all Cooperative Education placements and keeps a list of employers prepared to offer training. The Faculty makes its best endeavour to find suitable training places for all students who meet the selection criteria and elect to undertake this option.
- Part-time students may apply for credit towards ITB900 on the basis of their employment. Credit will be granted on the basis of a two-year period of full-time employment in an approved environment and compliance with a number of administrative requirements:
 - (i) a statement from the Course Coordinator that the arrangements have been discussed with the employer and that the proposed period of employment will provide appropriate work experience;
 - (ii) satisfactory reports, written by the student, endorsed by the employer and submitted no later than the due dates.
- It is intended that full-time students on the scheme will devote their prime efforts to the Industrial Training Experience and will not, therefore, be permitted to register for more than one other subject per semester during that year.

SPECIAL NOTES

For students enrolled in the Bachelor of Business (Information Management) (IS43) ITB900 Industrial Training Experience replaces the project subject (ISB305) normally

done in Year 3, Semester 2. It is recommended that these students also do ISB350 – Minor Studies, worth three credit points. This can take the form of a small project related to the Cooperative Education placement specific to Information Management. It can be arranged with the Faculty Student Officer, completed during the placement, and credited in Year 3, Semester 1. Successful completion of ITB900 – Industrial Training Experience and ISB350 – Minor Studies replaces ISB305 – Project and one nine credit point elective. Students who choose not to do ISB350 will be required to do an elective to reach the minimum credit points for graduation.

Course Structures

■ Master of Applied Science (Computing) (CS36)

Location: Gardens Point campus

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

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gerard Finn

Entry Requirements

Applicants are required to have completed a degree level course which contains a major component in computing or, alternatively, a degree course and a graduate diploma level course in computing. The minimum level of performance expected within prerequisite studies is a grade point average (GPA) of 4.50 (or its equivalent) on a 7 point scale. Selection may be determined on an individual basis and is subject to the approval of the Head, School of Computing Science.

Special Course Requirements

Students may be eligible for exemptions on the basis of equivalent subjects completed in earlier studies. Those students who have completed a suitable honours degree or who have completed a masters qualifying program may be exempted up to 96 credit points, ie, half of the total credit points of the course, typically those subjects in Years 1 and 2. The granting of any exemption is subject to the approval of the Head, School of Computing Science.

The course structure comprises core, project and elective components. The student intake is heterogeneous and some students may need to undertake advanced undergraduate subjects as prerequisites for core subjects. A maximum of 48 credit points from these undergraduate prerequisites may be credited towards completion of the course.

The core component comprises six subjects (72 credit points) and for students with all necessary prerequisite qualifications these subjects are undertaken in the first four semesters of the part-time course. The six mandatory subjects are:

Core Subjects

		Credit Contact	Points Hrs/Wk
CSN100	Theory of Computing 1	12	3
CSN110	Compiler Construction	12	3
CSN210	Distributed Systems	12	3
CSN220	Artificial Intelligence	12	3

ISN100	Information Systems 1	12	3
ITN502	Computer Security	12	3

The project component comprises four to six semester subjects (48 - 72 credit points) depending upon student choice. At least one major (two-semester) project must be included in this component.

Project Subjects

CSN301	Minor Project	12	-
CSN302	Minor Project	12	-
CSN303	Minor Project	12	-
CSN304	Minor Project	12	-
CSN400	Major Project - Part 1 (mandatory)	12	-
CSN450	Major Project - Part 2 (mandatory)	12	-

The number of advanced electives taken by an individual student depends upon the number of prerequisite subjects undertaken and the number of projects selected. A minimum of two electives (24 credit points) must be selected and a maximum of six (72 credit points) may be selected from this range. The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School.

Advanced Electives

CSN300	Theory of Computing 2	12	3
CSN310	Parallel Processing	12	3
CSN320	Formal Secure Systems	12	3
CSN330	Natural Language Processing	12	3
CSN340	Compiler Laboratory	12	3
CSN350	Advanced Graphics 1	12	3
CSN360	Advanced Graphics 2	12	3
CSN370	Special Topic	12	3
CSN380	Neural Networks	12	3
ISN300	Information Systems 2	12	3
ITN311	Advanced Data Communications	12	3

Full-Time Course Structure

Full-time study programs should be discussed with the Course Coordinator. All such programs must be approved by the Head, School of Computing Science. Not all subjects are offered during the day. Full-time students may be required to attend a number of evening classes.

A possible sequence for the part-time program is outlined below.

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSN220	Artificial Intelligence	12	3
ITN502	Computer Security	12	3
Year 1, Semester 2			
CSN110	Compiler Construction	12	3
ISN100	Information Systems 1	12	3
Year 2, Semester 1			
CSN210	Distributed Systems	12	3
	Elective	12	3

Year 2, Semester 2

CSN100	Theory of Computing 1	12	3
	Elective	12	3

Year 3, Semester 1

CSN301	Minor Project	12	-
	Elective	12	3

Year 3, Semester 2

CSN302	Minor Project	12	-
	Elective	12	3

Year 4, Semester 1

CSN400	Major Project - Part 1	12	-
	Elective	12	3

Year 4, Semester 2

CSN450	Major Project - Part 2	12	-
	Elective	12	3

■ Master of Information Technology (IS50)

Location: Gardens Point campus

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

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Bob Smyth

Entry Requirements

Applicants are required to have completed a degree level course which contains a major component in computing, or alternatively, a degree course in any discipline area followed by a graduate diploma level course in computing or library science. The minimum level of performance expected within prerequisite studies is a grade point average (GPA) of 5.00 (or its equivalent) on a 7 point grading scale. Graduates of library science courses will have completed ISP101 Data Design and Processing (or its equivalent) prior to registration in the course. Selection may be determined on an individual basis and is subject to the approval of the Head, School of Information Systems.

Special Course Requirements

Students may be eligible for exemptions on the basis of equivalent subjects completed in earlier studies. Those students who have completed a suitable honours degree or who have completed a masters qualifying program may be exempted up to 96 credit points. The granting of any exemption is subject to the approval of the Head, School of Information Systems.

The course structure comprises core, project and elective components. The student intake is heterogeneous and some students may need to undertake advanced undergraduate subjects which are prerequisites for core subjects. A maximum of 48 credit points from these undergraduate prerequisites may be credited towards completion of the course.

Course Structure	Credit Points	Contact Hrs/Wk
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Core Subjects

ISN200	Major Issues in Information Technology	12	3
ISN201	Research Methodology	12	-

These core subjects must be taken in the first semester.

Project Subjects

EITHER			
ISN301	Minor Project	12	-
ISN302	Minor Project	12	-
ISN303	Minor Project	12	-
ISN304	Minor Project	12	-
One minor project per semester			
OR			
ISN401	Major Project	48	-
OR			
ISN500	Dissertation	96	-

To be completed within the last two semesters.

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. Listed below are recommended electives. Other electives may be approved by the Course Coordinator.

ISN100	Information Systems 1	12	3
ISN110	Formal Systems Specification	12	3
ISN120	Database Systems	12	3
ISN130	Object-oriented Systems	12	3
ISN160	Knowledge-based Systems	12	3
ISN170	Special Studies	12	3
ISN180	Human Computer Interface	12	3
ISN190	Comparative Study of Information Agencies	12	3
ISN210	Automated Systems Management	12	3
ISN220	Business Competitor Intelligence	12	3
ISN240	Classification	12	3
ISN250	The Information Industries	12	3
ISN260	Evaluation of Information Services & Organisations	12	3
ISN270	Social Impacts of Information Technology	12	3
ISN280	Organisations, Systems & Information	12	3
ITN311	Advanced Data Communication	12	3
ITN502	Computer Security	12	3
ITN550	Computer Security Risk Modelling	12	3

■ Graduate Diploma in Business (Information Systems) (IS18)

Location: Gardens Point campus

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

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Marion Orlowski

Professional Recognition

This course is accredited by the Australian Computer Society.

1992 Enrolments - Continuing Students Only

There will be no intake into this course from 1992. Any continuing students must arrange a study program to complete their award with the Course Coordinator prior to enrolment.

■ Graduate Diploma in Commercial Computing (IS04)

Location: Gardens Point campus

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

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr David Edmond

Entry Requirements

An applicant seeking admission into the Graduate Diploma in Commercial Computing is required to:

- (i) hold a degree or a three-year diploma in a discipline other than computing from a recognised university or college of advanced education; applicants with undergraduate degrees or diplomas which include significant studies in computing are not eligible for admission to this course;
- (ii) have completed, at a degree level, an introductory subject in computing (the equivalent of at least three hours per week for one semester). Applicants whose degrees have not included an introductory computing subject must complete this subject as a visiting student before entering the course.

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.

Full-Time Course Structure

		Credit Points	Contact Hrs/Wk
Semester 1			
ISP100	The Computer System	12	3
ISP101	Data Design & Processing	12	3
ISP200	Systems Analysis & Design	12	3
ITP501	Data Communications	12	3

Semester 2

Electives [minimum of 48 credit points]

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ISP100	The Computer System	12	3
ISP101	Data Design & Processing	12	3
Year 1, Semester 2			
ISP200	Systems Analysis & Design	12	3
ITP501	Data Communications	12	3
Year 2, Semester 1			
Electives [minimum of 24 credit points]			
Year 2, Semester 2			
Electives [minimum of 24 credit points]			
Electives			
The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School.			
Electives to the value of at least 48 credit points are to be chosen from the following, or from the offerings of the School of Computing Science or Faculty of Business.			
FIRST SEMESTER ELECTIVES			
AYP100	Accounting Principles 1	12	3
ISP113	Principles of Information Management	12	3
ISP303	Programming	12	3
ISP381	Advanced Information Systems	12	3
ISP998	Special Topic - Commercial Computing	12	3
SECOND SEMESTER ELECTIVES			
AYB212	Computer Security & Audit	12	3
ISB290	Information Systems Analysis & Design	12	4
ISP301	Advanced Database	12	3
ISP313	Expert Information Systems	12	3
ISP314	Information Systems Management	12	3
ISP383	Office Information Systems	12	3
ISP400	Advanced Programming	12	3
ISP401	Computing Project	12	3
ISP999	Special Topic - Commercial Computing	12	3

■ Graduate Diploma in Computing Science (CS19)

Location: Gardens Point campus

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

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr John Hynd

Entry Requirements

An applicant seeking admission into the Graduate Diploma in Computing Science is required to:

- (i) hold a degree or a three-year diploma in a discipline other than computing from a recognised university or college of advanced education; applicants with undergraduate degrees which include significant studies in computing are not eligible for admission into the course;
- (ii) have completed, at a degree level, an introductory level subject in Pascal programming (the equivalent of at least three hours per week for one semester. Applicants whose degrees have not included this subject must complete this subject as a visiting student before entering the course.

In addition, an introductory tertiary level subject in Mathematics is desirable.

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.

Full-Time Course Structure

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
CSP112	Software Principles	12	3
CSP213	Scientific Applications	12	3
ISP101	Data Design & Processing	12	3
ITP501	Data Communications	12	3
Semester 2			
CSP211	Systems Architecture & Operating Systems	12	3
CSP214	Programming Languages & Structures	12	3
CSP960	Project Work	12	-
	Elective(s) [minimum of 12 credit points]		

Note: Not all subjects are offered during the day. Full-time students may be required to attend evening classes.

Part-Time Course Structure

Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSP112	Software Principles	12	3
ISP101	Data Design & Processing	12	3
Year 1, Semester 2			
CSP211	Systems Architecture & Operating Systems	12	3
ITP501	Data Communications	12	3
Year 2, Semester 1			
CSP213	Scientific Applications	12	3
CSP214	Programming Languages & Structures	12	3
Year 2, Semester 2			
CSP960	Project Work	12	-
	Elective(s) [minimum of 12 credit points]		

Electives

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

Electives may be selected from the following list:



FIRST SEMESTER ELECTIVES			
CSB320	Special Studies	9	3
CSB321	Graphics	9	3
CSB324	Artificial Intelligence	9	3
CSB326	Systems Programming	9	3
CSB350	Miscellaneous Studies	3	1
CSP970	Project Work A	12	
ISB283	Database & Procedural Languages	12	4
ISP998	Special Topic - Commercial Computing	12	3
SECOND SEMESTER ELECTIVES			
CSB319	Special Studies	9	3
CSB321	Graphics	9	3
CSB325	Expert Systems	9	3
CSB326	Systems Programming	9	3
CSB350	Miscellaneous Studies	3	1
CSP212	Languages & Language Processing	12	3
ISP301	Advanced Database	12	3
ISP383	Office Information Systems	12	3
ISP999	Special Topic - Commercial Computing	12	3
ITB503	Data Security	9	3

■ Graduate Diploma in Library Science (IS65)

Location: Gardens Point campus

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

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr John Goodell

Entry Requirements

To be eligible for admission to the Graduate Diploma in Library Science, applicants are required to have a degree or a three-year diploma in a field other than library science and to have successfully completed an introductory computing subject at tertiary level. Applicants whose degrees have not included this introductory computing subject must complete this subject as a visiting student before entering the course.

Professional Recognition

Graduates are eligible to become 'Associates' (ie professional members) of the Australian Library and Information Association.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
ISP101	Data Design & Processing	12	3
ISP431	Collection Building & Acquisitions	12	3
ISP432	Organisation of Knowledge	12	3
ISP433	Information Sources & Services	12	3
Semester 2			
ISP441	Online Information Services	12	3
ISP442	Library Programs Management	12	3

ISP428	Field Experience	4	-
	One Library Science Elective	12	3
	One Library Science Elective	8	2
Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ISP101	Data Design & Processing	12	3
ISP431	Collection Building & Acquisitions	12	3
Year 1, Semester 2			
ISP441	Online Information Services	12	3
ISP442	Library Programs Management	12	3
Year 2, Semester 1			
ISP432	Organisation of Knowledge	12	3
ISP433	Information Sources & Services	12	3
Year 2, Semester 2			
ISP428	Field Experience	4	-
	One Library Science Elective	12	3
	One Library Science Elective	8	2

Electives

The offering of elective subjects depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of general electives is subject to the approval of the Head, School of Information Systems. Electives may be chosen from the following, or any other appropriate subject may be taken with the approval of the relevant Head of School.

ISP414	Library Services to Young People	12	3
ISP419	Government Documents	12	3
ISP427	Special Topic – Library Science	12	3
ISP437	Special Topic – Library Science	8	2
ISP451	Advanced Organisation of Knowledge	12	3
ISP452	Individual Study	8	2
ISP453	Introduction to Records Management	8	2
ISP454	Library Programs & Services	8	2

■ Bachelor of Applied Science (Computing) (Honours) (CS55)

Location: Gardens Point campus

Course Duration: 1 year full-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gerard Finn

Entry Requirements

To be eligible for admission, students should have completed QUT's Bachelor of Applied Science – Computing or equivalent and should have attained a grade point average (GPA) of at least 5.0, including grades of at least credit in all subjects directly relevant to the

proposed honours program. Application for admission should normally be made at the end of the final year of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but 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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
CSN201	Research Methodology	12	-
CSN210	Distributed Systems	12	3
ITN502	Computer Security	12	3
	Elective	12	
Semester 2			
CSN100	Theory of Computing 1	12	3
CSN110	Compiler Construction	12	3
CSN202	Honours Project	12	-
	Elective	12	

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all elective subjects is subject to approval by the relevant Head of School.

One advanced elective chosen from the following:

CSN220	Artificial Intelligence	12	3
CSN300	Theory of Computing 2	12	3
CSN310	Parallel Processing	12	3
CSN320	Formal Secure Systems	12	3
CSN330	Natural Language Processing	12	3
CSN340	Compiler Laboratory	12	3
CSN350	Advanced Graphics 1	12	3
CSN370	Special Topic - Library Science	12	3
CSN380	Neural Networks - Library Science	12	3
ISN100	Information Systems 1	12	3
ISN300	Information Systems 2	12	3
ITN311	Advanced Data Communications	12	3

■ Bachelor of Business (Computing) (Honours) (IS61)

Location: Gardens Point campus

Course Duration: 1 year full-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Mark McLoughlin

Entry Requirements

To be eligible for admission, students should have completed QUT's Bachelor of Business – Computing or equivalent and should have attained a grade point average (GPA) of at least 5.0, including grades of at least credit in all subjects directly relevant

to the proposed honours program. Application for admission should normally be made at the end of the final year of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but 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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
ISN110	Formal Systems Specification	12	3
ISN201	Research Methodology	12	3
ITN502	Computer Security	12	3
	Elective	12	3
Semester 2			
ISN100	Information Systems 1	12	3
ISN120	Database Systems	12	3
ISN211	Honours Project	12	-
	Elective	12	3

Electives

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

Electives may be chosen from the following:

ISN130	Object Oriented Systems	12	3
ISN160	Knowledge-based Systems	12	3
ISN170	Special Studies	12	3
ITN550	Computer Security Risk Modelling	12	3

or from:

- any Faculty of Information Technology masters subject
- any QUT Faculty of Business postgraduate subject
- any QUT Faculty of Business undergraduate subject from the fifth or sixth semester of a normal full-time course.

■ Common First Year: Bachelor of Business (Computing), Bachelor of Applied Science (Computing) (IT32)

Location: Gardens Point campus

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

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Robert Andrews

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Semester 1			
CSB100	Introduction to Computer Science	9	3
ISB101	Application Systems	9	3
ISB102	Representation of Information	9	3
ITB603	Practice 1 (IT32)	12	4
MAB172	Quantitative Methods 1B	9	3
Semester 2			
AYB104	Accounting Information Systems 1	9	3
COB135	Professional Communication	9	2
CSB101	Computer Systems 1	9	3
CSB110	Programming Principles	9	3
ITB653	Practice 2 (IT32)	12	4
Part-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB100	Introduction to Computer Science	9	3
ISB102	Representation of Information	9	3
ITB604	Practice 1A (IT32)	6	2
Year 1, Semester 2			
AYB104	Accounting Information Systems	9	3
ISB101	Application Systems	9	3
ITB609	Practice 1B (IT32)	6	2
Year 2, Semester 1			
CSB101	Computer Systems 1	9	3
ITB654	Practice 2A (IT32)	6	2
MAB172	Quantitative Methods 1B	9	3
Year 2, Semester 2			
COB135	Professional Communication	9	2
CSB110	Programming Principles	9	3
ITB663	Practice 2B (IT32)	6	2

■ Bachelor of Applied Science (Computing) (CS28)

Location: Gardens Point campus

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

Total Credit Points: 288 (includes 96 credit points from Common First Year)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Mike Roggenkamp

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.

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

Entry into this course is dependent upon admission to and progression through the Common First Year (IT32). See *IT32 Structure for Year 1, Semesters 1 and 2.*

Year 2, Semester 1

CSB200	Foundations of Computing 1	9	3
CSB201	Computer Systems 2	9	3
ISB202	Database & Procedural Languages	9	3
ITB501	Data Communications	9	3
ITB600	Practice 3 (CS28)	12	4

Year 2, Semester 2

CSB210	Foundations of Computing 2	9	3
CSB212	Languages & Language Processing	9	3
CSB213	Scientific Applications	9	3
ISB201	Information Systems Analysis & Design 1	9	3
ITB650	Practice 4 (CS28)	12	4

Year 3, Semester 1

CSB301	Operating Systems	9	3
CSB302	Software Engineering	9	3
CSB602	Practice 5 (CS28)	12	4
	Electives [minimum of 18 credit points]		

Year 3, Semester 2

CSB311	Advanced Computer Architectures	9	3
CSB960	Project Work	12	4
	Electives [minimum of 27 credit points]		

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

Entry into this course is dependent upon admission to and progression through the Common First Year (IT32). See *IT32 Structure for Semesters 1 to 4.*

Year 3, Semester 1

CSB201	Computer Systems 2	9	3
ISB201	Information Systems Analysis & Design 1	9	3
ITB605	Practice 3A (CS28)	6	2

Year 3, Semester 2

CSB200	Foundations of Computing 1	9	3
ITB501	Data Communication	9	3
ITB610	Practice 3B (CS28)	6	2

Year 4, Semester 1

CSB212	Languages & Language Processing	9	3
CSB213	Scientific Applications	9	3
ITB655	Practice 4A (CS28)	6	2

Year 4, Semester 2

CSB210	Foundations of Computing 2	9	3
ISB202	Database & Procedural Languages	9	3
ITB660	Practice 4 (CS28)	6	2

Year 5, Semester 1

CSB302	Software Engineering	9	3
CSB612	Practices 5A (CS28)	6	2
	Elective	9	

Year 5, Semester 2

CSB301	Operating Systems	9	3
CSB622	Practice 5B (CS28)	6	2
	Elective	9	

Year 6, Semester 1

CSB311	Advanced Computer Architectures Electives [minimum of 18 credit points]	9	3
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Year 6, Semester 2

CSB960	Project Work	12	4
	Elective	9	

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolment in the subject and the availability of staff. The choice of all electives is subject to approval by the relevant Head of School. A minimum of 45 credit points of electives must be chosen from the list below or from other offerings subject to approval by the Course Coordinator.

FIRST SEMESTER ELECTIVES

CSB320	Special Studies	9	3
CSB321	Graphics	9	3
CSB324	Artificial Intelligence	9	3
CSB326	Systems Programming	9	3
CSB970	Project Work*	12	4
HRB404	Principles of Management	9	2
ISB210	Information Systems Analysis & Design 2	9	3
ISB302	Database Management	9	3
ISB303	Office Information Systems	9	3
ITB099	English for Academic Purposes+	9	3
MKB139	Marketing	12	2

SECOND SEMESTER ELECTIVES

CSB319	Special Studies	9	3
CSB321	Graphics	9	3
CSB325	Expert Systems	9	3
CSB326	Systems Programming	9	3
HRB404	Principles of Management	9	2
ISB210	Information Systems Analysis & Design 2	9	3
ISB302	Database Management	9	3
ISB303	Office Information Systems	9	3
ITB503	Data Security	9	3
MKB139	Marketing	12	2

SPECIAL ELECTIVE

ITB900 Industrial Training Experience.

For details see the 'Information for all Information Technology Students' at the front of this Faculty's section (page 399).

■ Bachelor of Applied Science (Computing) (IS28)

Location: Gardens Point campus

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

Total Credit Points: 288

* *First half of an optional year-long project, subject to approval of the Course Coordinator.*

+ *Subject to approval by the Dean, Faculty of Information Technology.*

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Hamish Bentley

Professional Recognition

This course is accredited by the Australian Computer Society.

1992 Enrolments - Continuing Students Only

There will be no intake into this course from 1992. Continuing students must complete all subjects as listed in the full-time course structure (or equivalent). A study program must be arranged with the Course Coordinator prior to 1992 enrolment to enable completion of the course.

Full-Time Course Structure (For Continuing Students only)		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COB135	Professional Communication	12	3
CSB010	Introduction to Software Engineering	12	3
CSB011	Introduction to Programming	12	3
ISB014	Introduction to Information Systems	12	3
Year 1, Semester 2			
CSB012	Concepts in Computer Systems	12	3
CSB013	Data Structures	12	3
CSB018	Introduction to Computer Networks	12	3
ISB097	Information Analysis	12	4
Year 2, Semester 1			
CSB015	Systems Software	12	3
ISB019	Systems Analysis & Design	12	3
ISB090	Database Systems 1	12	4
ISB095	Commercial Applications Development	12	4
Year 2, Semester 2			
CSB017	Software Engineering	12	3
ISB089	Commercial Systems Development	12	4
ISB098	Database Systems 2	12	4
	Elective	12	
Year 3, Semester 1			
ISB030	Systems Development Project	12	3
ISB038	Transaction Based Systems	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
ISB093	Systems Planning	12	4
	Electives	24	
ISB091	Industry Project	12	4
	OR		
	Elective	12	

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School. Recommended electives will be advised by the Course Coordinator.

■ Bachelor of Business (Computing) (IS10)

Location: Gardens Point campus

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

Total Credit Points: 288 (includes 96 credit points from Common First Year)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Alison Anderson

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.

Full-Time Course Structure

Credit Points **Contact Hrs/Wk**

Entry into this course is dependent upon admission to and progression through the Common First Year (IT32). See *IT32 Structure for Semesters 1 and 2*.

Year 2, Semester 1

EPB143	Management Science A	9	2
ISB201	Information Systems Analysis & Design 1	9	3
ISB202	Database & Procedural Languages	9	3
ITB501	Data Communications	9	3
ITB601	Practice 3 (IS10)	12	4

Year 2, Semester 2

FNB127	Managerial Accounting Principles	9	3
HRB404	Principles of Management	9	2
ISB210	Information Systems Analysis & Design 2	9	3
ITB651	Practice 4 (IS10) Elective*	12	4

Year 3, Semester 1

ISB300	Project Work*	12	-
ISB301	Advanced Information Systems	9	3
ISB302	Database Management	9	3
ISB303	Office Information Systems Elective+	9	3

Year 3, Semester 2

ISB300	Project Work*	12	-
ISB313	Expert Information Systems	9	3
ISB314	Information Systems Management Elective+	9	3

Part-Time Course Structure

Credit Points **Contact Hrs/Wk**

Entry into this course is dependent upon admission to and progression through the Common First Year (IT32). See *IT32 Structure for Semesters 1 to 4*.

Year 3, Semester 1

EPB143	Management Science A	9	2
ISB201	Information Systems Analysis & Design 1	9	3
ITB606	Practice 3A (IS10)	6	2

* See section on Electives.

+ Subject extends over two semesters.

Year 3, Semester 2

ISB202	Database & Procedural Languages	9	3
ITB501	Data Communications	9	3
ITB611	Practice 3B (IS10)	6	2

Year 4, Semester 1

HRB404	Principles of Management	9	2
ISB210	Information Systems Analysis & Design 2	9	3
ITB656	Practice 4A (IS10)	6	2

Year 4, Semester 2

FNB127	Managerial Accounting Principles	9	3
ITB661	Practice 4B (IS10) Elective+	6	2

Year 5, Semester 1

ISB301	Advanced Information Systems	9	3
ISB302	Database Management Elective+	9	3

Year 5, Semester 2

ISB303	Office Information Systems	9	3
ISB313	Expert Information Systems	9	3
ISB314	Information Systems Management	9	3

Year 6, Semester 1

ISB300	Project Work* Elective+	12	-
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Year 6, Semester 2

ISB300	Project Work* Elective+	12	-
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Electives

Electives must total a minimum of 36 credit points, of these 18 credit points must be business electives, which may be chosen from any subject in degree courses offered by the Faculty of Business. The remaining 18 credit points may be selected from any faculty (including Information Technology and Business). All elective choices are subject to prerequisite and approval by the relevant Head of School.

Completion of ITB900 Industrial Training Experience, between the second and third years of coursework, replaces the 18 credit points of business electives. For more details about the Cooperative Education Program see the 'Information for all Information Technology Students' at the front of this Faculty's section (page 399).

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. Recommended electives are:

		Credit Points	Contact Hrs/Wk
FIRST SEMESTER ELECTIVES			
CSB213	Scientific Applications	9	3
EPB150	Microeconomics	12	3
ISB113	Principles of Information Management	9	3
ISB350	Minor Studies	3	1

* *Subject extends over two semesters.*

+ *See section on Electives.*

ISB998	Special Topic - Business Computing	9	3
MKB139	Marketing	9	2
ITB099	English for Academic Purposes*	9	3
SECOND SEMESTER ELECTIVES			
AYB212	Computer Security & Audit	12	3
CSB213	Scientific Applications	9	3
EPB110	Business Statistics	12	3
EPB124	Government	12	3
EPB150	Microeconomics	12	3
ISB219	Advanced COBOL	9	3
ISB350	Minor Studies	3	1
ISB999	Special Topic - Business Computing	9	3
ITB503	Data Security	9	3

■ Bachelor of Business (Information Management) (IS43)

Location: Gardens Point campus

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

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Michael Middleton

Professional Recognition

This course is accredited by the Australian Computer Society as meeting the requirements associated with the grade of 'Member' of the Society.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB100	Introduction to Computer Science	9	3
ISB101	Application Systems	9	3
ISB102	Representation of Information	9	3
ISB113	Principles of Information Management	9	3
ITB603	Practice 1 (IT32)	12	4
Year 1, Semester 2			
AYB104	Principles of Accounting	12	3
COB135	Professional Communication	9	2
CSB101	Computer Systems 1	9	3
MAB172	Quantitative Methods 1B	9	3
ITB653	Practice 2 (IT32)	12	4
Year 2, Semester 1			
HRB404	Principles of Management	9	2
ISB201	Information Systems Analysis & Design 1	9	3
ISB203	Advanced Database	9	3
ISB215	External Sources of Information	9	3
ITB602	Practice 3 (IS43)	12	4
Year 2, Semester 2			
ISB204	Information Managers & the Law	9	3
ISB214	The Information Resource	9	3
ITB501	Data Communications	9	3

* Subject to approval by the Dean of Faculty.

ITB652	Practice 4 (IS43)	12	4
SSB916	Applied Cognitive Psychology	9	2

Year 3, Semester 1

EPB169	Economics of Information	9	2
ISB216	Political & Social Aspects of Information Technology	9	3
ISB301	Advanced Information Systems	9	3
ISB303	Office Information Systems	9	3
	Elective [minimum of 9 credit points]		

Year 3, Semester 2

ISB305	Project*	12	-
ISB314	Information Systems Management	9	3
ISB316	Information Support Systems	9	3
ISB318	Strategic Information Management	9	3
	Elective [minimum of 12 credit points]		

Part-Time Course Structure

Credit Points **Contact Hrs/Wk**

Year 1, Semester 1

AYB104	Introduction to Computer Science	9	3
ISB102	Representation of Information	9	3
ITB604	Practice 1A (IT32)	6	2

Year 1, Semester 2

ACB181	Accounting Information Systems 1	9	3
ISB101	Application Systems	9	3
ITB609	Practice 1B (IT32)	6	2

Year 2, Semester 1

CSB101	Computer Systems 1	9	3
ISB113	Principles of Information Management	9	3
ITB654	Practice 2A (IT32)	6	2

Year 2, Semester 2

COB135	Professional Communication	9	2
ITB663	Practice 2B (IT32)	6	2
MAB172	Quantitative Methods 1B	9	3

Year 3, Semester 1

HRB404	Principles of Management	9	2
ISB215	External Sources of Information	9	3
ITB607	Practice 3A (IS43)	6	2

Year 3, Semester 2

ISB214	The Information Resource	9	3
ITB612	Practice 3B (IS43)	6	2
SSB916	Applied Cognitive Psychology	9	2

Year 4, Semester 1

ISB201	Information Systems Analysis & Design 1	9	3
ISB203	Advanced Database	9	3
ITB657	Practice 4A (IS43)	6	2

Year 4, Semester 2

ISB204	Information Managers & the Law	9	3
ITB501	Data Communications	9	3
ITB662	Practice 4B (IS43)	6	2

* *ITB900 Industrial Training Experience may be taken as an alternative to ISB305. It is completed between the second and third years of study. See 'Information for all Information Technology Students' at the front of this section.*

Year 5, Semester 1

EPB169	Economics of Information	9	3
ISB216	Political & Social Aspects of Information Technology	9	3
ISB301	Advanced Information Systems	9	3

Year 5, Semester 2

ISB314	Information Systems Management	9	3
ISB316	Information Support Systems	9	3
	Elective [minimum of 12 credit points]		

Year 6, Semester 1

ISB303	Office Information Systems	9	3
	Elective [minimum of 9 credit points]		

Year 6, Semester 2

ISB305	Project	12	-
ISB318	Strategic Information Management	9	3

Electives

Electives to the value of at least 21 credit points may be chosen from any subject in any QUT degree course subject to prerequisites and formal approval. The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School. Recommended electives are:

First Semester Electives

		Credit Points	Contact Hrs/Wk
COB144	Literature & Communication	12	3
CSB213	Scientific Applications	9	3
EPB150	Microeconomics	12	3
ISB219	Advanced COBOL	9	1
ISB350	Minor Studies	3	1
ISB998	Special Topic - Business Computing	9	3
MKB139	Marketing	12	2

Second Semester Electives

CSB110	Programming Principles	9	3
CSB213	Scientific Applications	9	3
EPB124	Government	12	3
HRB126	Management Processes	12	3
HRB131	Personnel Management & Industrial Relations	12	3
ISB202	Database & Procedural Languages	9	3
ISB210	Information Systems Analysis & Design 2	9	3
ISB302	Database Management	9	3
ISB350	Minor Studies	3	1
ISB999	Special Topic - Business Computing	9	3
ITB503	Data Security	9	3
MJB117	Introduction to Audiovisual Communication	12	3
MKB124	Introduction to Public Relations	12	3
MKB140	Principles of Marketing	12	3

Special Electives

		Credit Points	Contact Hrs/Wk
INB099	English for Academic Purposes (Subject to the approval of the Dean, Faculty of Information Technology.)	9	3

■ Associate Diploma in Business (Computing) (IS08)

Location: Gardens Point campus

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

Total Credit Points: 192

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Glenn Stewart

Professional Recognition

This course is accredited by the Australian Computer Society.

Full-Time Course Structure

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COX100	Introduction to Organisation	12	4
COX101	Communication	12	4
CSX025	Introduction to Computers	12	4
CSX035	Software Principles	12	4
Year 1, Semester 2			
AYB104	Principles of Accounting	12	3
ISX026	Commercial Programming	12	4
ISX027	Systems Analysis	12	4
MAX173	Quantitative Methods	12	4
Year 2, Semester 1			
CSX031	Software Development	12	4
ISX029	Microcomputers: Hardware & Applications	12	4
ISX032	Database Systems 1	12	4
ISX036	Systems Design	12	4
Year 2, Semester 2			
CSX028	Computer Languages	12	4
CSX030	Computer Network	12	4
ISX033	Database Systems 2	12	4
ISX034	Project	12	-
	OR		
	Elective	12	

Part-Time Course Structure (for Continuing Students only)

Continuing Students must complete all subjects as listed in the full-time course structure (or equivalent). A study program must be arranged with the Course Coordinator prior to 1992 enrolment.

Electives

The offering of elective subjects in any semester depends on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School. Recommended electives will be advised by the Course Coordinator.

