

**FACULTY OF
INFORMATION TECHNOLOGY**

FACULTY OF INFORMATION TECHNOLOGY

Gardens Point campus

■ Information for all Information Technology students, Gardens Point campus

Graduation rules

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

To qualify for graduation, students admitted to courses offered by the Faculty of Information Technology 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.)

Students who commence study towards a QUT award from First Semester, 1990 (inclusive) are covered by QUT Student Rules, Procedures and Policies.

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.

Cooperative Education Program (Elective Subject INB280 – 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 first year subjects.

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 INB280 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 twelve-month training period the student will write two reports on the experience, submit them to the employer for endorsement and comment, and then hand them to the Course Coordinator 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 INB280 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 ISJ243 Bachelor of Business – Information Management, INB280 replaces the project subject (ISB305) normally done in Year 3, Semester 2. It is recommended that these students also do ISB350 – Minor Studies, worth 3 credit points. This can take the form of a small project related to your 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. 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 (INN236)

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 Gerry 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 4.00 (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 of School.

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 of School.

The course structure comprises core, project and elective components. The student intake will be 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 will be 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 I | 12 | 3 |
| CSN110 | Compiler Construction | 12 | 3 |
| CSN210 | Distributed Systems | 12 | 3 |
| CSN220 | Artificial Intelligence | 12 | 3 |
| INN202 | Computer Security | 12 | 3 |
| ISN100 | Information Systems I | 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

| | | | |
|--------|---------------|----|---|
| INN300 | Minor Project | 12 | 3 |
| INN301 | Minor Project | 12 | 3 |
| INN302 | Minor Project | 12 | 3 |
| INN303 | Minor Project | 12 | 3 |

| | | | |
|--------|-------------------------------------|----|---|
| INN400 | Major Project - Part I (mandatory) | 12 | 3 |
| INN450 | Major Project - Part II (mandatory) | 12 | 3 |

The number of advanced electives taken by an individual student will depend 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 subjects (72 credit points) may be selected from this range. The offering of elective subjects in any semester will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School.

Advanced Electives

| | | | |
|--------|------------------------------|----|---|
| CSN300 | Theory of Computing II | 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 I | 12 | 3 |
| CSN360 | Advanced Graphics II | 12 | 3 |
| INN310 | Advanced Data Communications | 12 | 3 |
| ISN300 | Information Systems II | 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 of School. Not all subjects are offered during the day. Full-time students may be required to attend a number of evening classes.

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

| Part-Time Course Structure | | Credit Points | Contact Hrs/Wk |
|----------------------------|-------------------------|---------------|----------------|
| Year 1, Semester 1 | | | |
| CSN100 | Theory of Computing I | 12 | 3 |
| INN202 | Computer Security | 12 | 3 |
| Year 1, Semester 2 | | | |
| CSN110 | Compiler Construction | 12 | 3 |
| ISN100 | Information Systems I | 12 | 3 |
| Year 2, Semester 1 | | | |
| CSN210 | Distributed Systems | 12 | 3 |
| | Elective | 12 | 3 |
| Year 2, Semester 2 | | | |
| CSN220 | Artificial Intelligence | 12 | 3 |
| | Elective | 12 | 3 |
| Year 3, Semester 1 | | | |
| INN300 | Minor Project | 12 | 3 |
| | Elective | 12 | 3 |
| Year 3, Semester 2 | | | |
| INN301 | Minor Project | 12 | 3 |
| | Elective | 12 | 3 |
| Year 4, Semester 1 | | | |
| INN400 | Major Project - Part I | 12 | 3 |
| | Elective | 12 | 3 |

Year 4, Semester 2

| | | | |
|--------|-------------------------|----|---|
| INN450 | Major Project - Part II | 12 | 3 |
| | Elective | 12 | 3 |

■ Master of Information Technology (INN250)

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 of School.

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 of School.

The course structure comprises core, project and elective components. The student intake will be 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 |
|--|---------------|----------------|
|--|---------------|----------------|

Core Subjects

| | | | |
|--------|--|----|---|
| INN201 | Research Methodology | 12 | 3 |
| ISN200 | Major Issues in Information Technology | 12 | 3 |

These core subjects must be taken in the first semester.

Project Subjects

| | | | |
|--------|---------------|----|---|
| EITHER | | | |
| INN300 | Minor Project | 12 | - |
| INN301 | Minor Project | 12 | - |
| INN302 | Minor Project | 12 | - |
| INN303 | Minor Project | 12 | - |

One minor project per semester

| | | | |
|--------|---------------|----|---|
| | OR | | |
| INN401 | Major Project | 48 | - |
| | OR | | |
| INN500 | Dissertation | 96 | - |

To be completed within the last two semesters.

Electives

The offering of elective subjects in any semester will depend 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.

| | | | |
|--------|--|----|---|
| INN202 | Computer Security | 12 | 3 |
| ISN100 | Information Systems I | 12 | 3 |
| ISN110 | Formal Systems Specification | 12 | 3 |
| ISN120 | Database Systems | 12 | 3 |
| ISN130 | Object-Oriented Systems | 12 | 3 |
| ISN150 | Computer Security Risk Modelling | 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 |

■ Graduate Diploma in Commercial Computing (ISM204)

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:

- hold a degree or a diploma in a discipline other than computing* from a recognised university or college of advanced education;
- have completed, at a degree level, an introductory subject in computing (the equivalent of at least three hours per week for one semester).

Provision may be made for applicants whose degrees have not included an introductory computing subject to complete this subject as a non-award student before entering the course.

* Applicants with undergraduate degrees or diplomas which include major studies in computing will not be eligible for admission into 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 |
| INP270 | 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 |
| INP270 | 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 will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School.

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

| | | | |
|--------|--------------------------------------|----|---|
| ACP111 | Accounting Principles I | 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

| | | | |
|--------|--------------------------------------|----|---|
| ACB360 | Computer Security & Audit | 12 | 3 |
| 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 (CSM219)

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:

- (a) hold a degree (UGI) in a discipline other than computing* from a recognised university or college of advanced education;
- (b) have completed, within their degree studies, an introductory level subject in mathematics and Pascal programming (the equivalent of at least three hours per week for one semester in each).

Provision may be made for applicants whose degrees have not included introductory mathematics and/or computing to complete these subjects as a non-award 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.

Special Course Requirements

Students in the Graduate Diploma in Computing Science may be granted exemptions on the basis of their prior studies. Should such students have studied material similar to that included in any of the remaining prescribed subjects of the course, substitute subjects may be taken. All exemptions or substitutions shall be determined by the Head, School of Computing Science.

As part of the core of the course, all students must complete a project extending over one semester, approved and subsequently supervised by teaching staff from the Faculty of Information Technology. In addition, students will be permitted to undertake an extra project subject as an elective, but not in the same semester.

Students wishing to enrol in a full-time program should discuss choice of subjects with the Course Coordinator. Not all subjects are offered during the day. Full-time students may be required to attend evening classes.

Full-Time Course Structure

| | | Credit Points | Contact Hrs/Wk |
|-------------------|--------------------------|----------------------|-----------------------|
| Semester 1 | | | |
| CSP112 | Software Principles | 12 | 3 |
| CSP213 | Scientific Applications | 12 | 3 |
| INP270 | Data Communications | 12 | 3 |
| ISP101 | Data Design & Processing | 12 | 3 |

* Applicants with undergraduate degrees which include major studies in computing will not be eligible for admission into the course.

Semester 2

| | | | |
|--------|---|----|---|
| CSP211 | Systems Architecture & Operating Systems | 12 | 3 |
| CSP214 | Programming Languages & Structures | 12 | 3 |
| CSP960 | Project Work | 12 | 3 |
| | Elective(s) [minimum of 12 credit points] | | |

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 |
| INP270 | 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 | 3 |
| | Elective(s) [minimum of 12 credit points] | | |

Electives

The offering of elective subjects in any semester will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the 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 | 3 |
| ISB283 | Database & Procedural Languages | 12 | 3 |
| ISP998 | Special Topic - Commercial Computing | 12 | 3 |

SECOND SEMESTER ELECTIVES

| | | | |
|--------|--------------------------------------|----|---|
| CSB319 | Special Studies | 9 | 3 |
| CSB321 | Graphics | 9 | 3 |
| CSB323 | Data Security | 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 |

■ Graduate Diploma in Library Science (ISM165)

Location: Gardens Point campus

Course Duration: 1 year full-time, or 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.

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 in any semester will depend 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 of School. Electives may be chosen from the following, or any other appropriate subject with the approval of the Head of School of Information Systems.

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

■ Bachelor of Applied Science – Computing (Honours) (CSJ255)

Location: Gardens Point campus

Course Duration: 1 year full-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gerry 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 over that degree, 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 | | | |
| CSN100 | Theory of Computing I | 12 | 3 |
| CSN210 | Distributed Systems | 12 | 3 |
| INN200 | Research Methodology | 12 | 3 |
| INN202 | Computer Security | 12 | 3 |
| Semester 2 | | | |
| CSN110 | Compiler Construction | 12 | 3 |
| INN210 | Honours Project II | 12 | 3 |
| ISN100 | Information Systems I | 12 | 3 |
| | Elective [minimum of 12 credit points] | | |

Electives

The offering of elective subjects in any semester will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all 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 II | 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 I | 12 | 3 |
| INN310 | Advanced Data Communications | 12 | 3 |
| ISN300 | Information Systems II | 12 | 3 |

■ Bachelor of Business – Computing (Honours) (ISJ261)

Location: Gardens Point campus

Course Duration: 1 year full-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Shlomo Geva

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 over that degree, 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 | | | |
| INN201 | Research Methodology | 12 | 3 |
| INN202 | Computer Security | 12 | 3 |
| ISN110 | Formal Systems Specification | 12 | 3 |
| | Elective | 12 | 3 |
| Semester 2 | | | |
| INN211 | Honours Project | 12 | - |
| ISN100 | Information Systems I | 12 | 3 |
| ISN120 | Database Systems | 12 | 3 |
| | Elective | 12 | 3 |

Electives

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

| | | | |
|--------|----------------------------------|----|---|
| ISN130 | Object Oriented Systems | 12 | 3 |
| ISN150 | Computer Security Risk Modelling | 12 | 3 |
| ISN160 | Knowledge-Based Systems | 12 | 3 |
| ISN170 | Special Studies | 12 | 3 |

Electives may also be chosen 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 (INJ232)

Location: Gardens Point campus

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

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Andreas Rosel

| Full-Time Course Structure | | Credit Points | Contact Hrs/Wk |
|-----------------------------------|----------------------------------|----------------------|-----------------------|
| Semester 1 | | | |
| CSB100 | Introduction to Computer Science | 9 | 3 |
| INB100 | Practice I (INJ232) | 12 | 4 |
| ISB101 | Application Systems | 9 | 3 |
| ISB102 | Representation of Information | 9 | 3 |
| MAB172 | Quantitative Methods IB | 9 | 3 |
| Semester 2 | | | |
| ACB181 | Accounting Information Systems I | 9 | 2 |
| CMB104 | Professional Communication | 9 | 3 |
| CSB101 | Computer Systems I | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| INB150 | Practice II (INJ232) | 12 | 4 |
| Part-Time Course Structure | | Credit Points | Contact Hrs/Wk |
| Year 1, Semester 1 | | | |
| CSB100 | Introduction to Computer Science | 9 | 3 |
| INB105 | Practice IA (INJ232) | 6 | 2 |
| ISB102 | Representation of Information | 9 | 3 |
| Year 1, Semester 2 | | | |
| ACB181 | Accounting Information Systems | 9 | 3 |
| INB110 | Practice IB (1NJ232) | 6 | 2 |
| ISB101 | Application Systems | 9 | 3 |
| Year 2, Semester 1 | | | |
| CSB101 | Computer Systems I | 9 | 3 |
| INB155 | Practice IIA (INJ232) | 6 | 2 |
| MAB172 | Quantitative Methods IB | 9 | 3 |

Year 2, Semester 2

| | | | |
|--------|----------------------------|---|---|
| CMB104 | Professional Communication | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| INB160 | Practice IIB (INJ232) | 6 | 2 |

■ Bachelor of Applied Science – Computing (CSJ128)

Location: Gardens Point campus

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

Total Credit Points: 288

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 (INJ232). *See INJ232 Structure for Semesters 1 and 2.*

Year 2, Semester 1

| | | | |
|--------|---------------------------------|----|---|
| CSB200 | Foundations of Computing I | 9 | 3 |
| CSB201 | Computer Systems II | 9 | 3 |
| INB200 | Practice III (CSJ128) | 12 | 4 |
| INB270 | Data Communications | 9 | 3 |
| ISB202 | Database & Procedural Languages | 9 | 3 |

Year 2, Semester 2

| | | | |
|--------|---|----|---|
| CSB210 | Foundations of Computing II | 9 | 3 |
| CSB212 | Languages & Language Processing | 9 | 3 |
| CSB213 | Scientific Applications | 9 | 3 |
| INB250 | Practice IV (CSJ128) | 12 | 4 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |

Year 3, Semester 1

| | | | |
|--------|---|----|---|
| CSB301 | Operating Systems | 9 | 3 |
| CSB302 | Software Engineering | 9 | 3 |
| INB302 | Practice V (CSJ128) | 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 (INJ232). See *INJ232 Structure for Semesters 1-4*.

Year 3, Semester 1

| | | | |
|--------|---|---|---|
| CSB201 | Computer Systems II | 9 | 3 |
| INB205 | Practice IIIA (CSJ128) | 6 | 2 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |

Year 3, Semester 2

| | | | |
|--------|----------------------------|---|---|
| CSB200 | Foundations of Computing I | 9 | 3 |
| INB210 | Practice IIIB (CSJ128) | 6 | 2 |
| INB270 | Data Communication | 9 | 3 |

Year 4, Semester 1

| | | | |
|--------|-----------------------------|---|---|
| CSB210 | Foundations of Computing II | 9 | 3 |
| CSB213 | Scientific Applications | 9 | 3 |
| INB255 | Practice IVA (CSJ128) | 6 | 2 |

Year 4, Semester 2

| | | | |
|--------|---------------------------------|---|---|
| CSB212 | Languages & Language Processing | 9 | 3 |
| INB260 | Computing Practice IV (CSJ128) | 6 | 2 |
| ISB202 | Database & Procedural Languages | 9 | 3 |

Year 5, Semester 1

| | | | |
|--------|--|---|---|
| CSB302 | Software Engineering | 9 | 3 |
| INB312 | Practice VA (CSJ128) | 6 | 2 |
| | Electives [minimum of 9 credit points] | | |

Year 5, Semester 2

| | | | |
|--------|--|---|---|
| CSB301 | Operating Systems | 9 | 3 |
| INB322 | Practice VB (CSJ128) | 6 | 2 |
| | Electives [minimum of 9 credit points] | | |

Year 6, Semester 1

| | | | |
|--------|---|---|---|
| CSB311 | Advanced Computer Architectures | 9 | 3 |
| | Electives [minimum of 18 credit points] | | |

Year 6, Semester 2

| | | | |
|--------|---------------------------------------|----|---|
| CSB960 | Project Work | 12 | 4 |
| | Elective [minimum of 9 credit points] | | |

Electives

Electives to a total of 45 credit points are chosen from the following, or, alternatively, other approved subjects may be selected.

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 |
| ISB210 | Information Systems Analysis & Design II | 9 | 3 |
| ISB302 | Database Management | 9 | 3 |
| ISB303 | Office Information Systems | 9 | 3 |
| INB099 | English for Academic Purposes+ | 9 | 3 |
| MNB302 | Principles of Management Technologists | 9 | 2 |
| MNB091 | Marketing | 9 | 2 |

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

+ Subject to approval by the Dean of Faculty.

| SECOND SEMESTER ELECTIVES | | | |
|---------------------------|--|---|---|
| CSB319 | Special Studies | 9 | 3 |
| CSB321 | Graphics | 9 | 3 |
| CSB323 | Data Security | 9 | 3 |
| CSB325 | Expert Systems | 9 | 3 |
| CSB326 | Systems Programming | 9 | 3 |
| ISB210 | Information Systems Analysis & Design II | 9 | 3 |
| ISB302 | Database Management | 9 | 3 |
| ISB303 | Office Information Systems | 9 | 3 |
| MNB302 | Principles of Management | 9 | 2 |

SPECIAL ELECTIVE

INB280 Industrial Training Experience.

For details see the 'Information for all Information Technology Students' at the front of this Faculty's section (page 409).

■ Bachelor of Business – Computing (ISJ210)

Location: Gardens Point campus

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

Total Credit Points: 288

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 (INJ232). See *INJ232 Structure for Semesters 1 and 2*.

Year 2, Semester 1

| | | | |
|--------|---|----|---|
| INB201 | Practice III (ISJ210) | 12 | 4 |
| INB270 | Data Communications | 9 | 3 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |
| ISB202 | Database & Procedural Languages | 9 | 3 |
| MNB405 | Management Science A | 9 | 2 |

Year 2, Semester 2

| | | | |
|--------|--|----|---|
| ACB282 | Managerial Accounting Principles | 9 | 3 |
| INB251 | Practice IV (ISJ210) | 12 | 4 |
| ISB210 | Information Systems Analysis & Design II | 9 | 3 |
| MNB302 | Principles of Management Elective+ | 9 | 2 |

Year 3, Semester 1

| | | | |
|--------|------------------------------|----|---|
| INB300 | Project Work* | 12 | 4 |
| ISB301 | Advanced Information Systems | 9 | 3 |
| ISB302 | Database Management | 9 | 3 |

* Subject extends over two semesters.

+ See section on Electives.

| | | | |
|--------|---|---|---|
| ISB303 | Office Information Systems Elective+ | 9 | 3 |
|--------|---|---|---|

Year 3, Semester 2

| | | | |
|--------|---|----|---|
| INB300 | Project Work* | 12 | 4 |
| 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 (INJ232). See *INJ232 Structure for Semesters 1-4*.

Year 3, Semester 1

| | | | |
|--------|---|---|---|
| INB206 | Practice IIIA (ISJ210) | 6 | 2 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |
| MNB405 | Management Science A | 9 | 2 |

Year 3, Semester 2

| | | | |
|--------|---------------------------------|---|---|
| INB211 | Practice IIIB (ISJ210) | 6 | 2 |
| INB270 | Data Communications | 9 | 3 |
| ISB202 | Database & Procedural Languages | 9 | 3 |

Year 4, Semester 1

| | | | |
|--------|--|---|---|
| INB256 | Practice IVA (ISJ210) | 6 | 2 |
| ISB210 | Information Systems Analysis & Design II | 9 | 3 |
| MNB302 | Principles of Management | 9 | 2 |

Year 4, Semester 2

| | | | |
|--------|------------------------------------|---|---|
| ACB282 | Managerial Accounting Principles | 9 | 3 |
| INB261 | Practice IVB (ISJ210) 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

| | | | |
|--------|----------------------------|----|---|
| INB300 | Project Work* Elective+ | 12 | 4 |
|--------|----------------------------|----|---|

Year 6, Semester 2

| | | | |
|--------|----------------------------|----|---|
| INB300 | Project Work* Elective+ | 12 | 4 |
|--------|----------------------------|----|---|

Electives

Electives must total a minimum of 36 credit points, 18 of which must be business electives. Business electives may be chosen from any subject in degree courses offered by the Faculty of Business subject to prerequisites and formal approval. General electives

* Subject extends over two semesters.

+ See section on Electives.

may be chosen from any subject in any QUT degree course subject to prerequisites and formal approval.

Completion of INB280 Industrial Training Experience, between the second and third years of coursework, replaces the two 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 409).

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

| | Credit Points | Contact Hrs/Wk |
|---|------------------|-------------------|
| FIRST SEMESTER ELECTIVES | | |
| CSB213 Scientific Applications | 9 | 3 |
| INB099 English for Academic Purposes* | 9 | 3 |
| ISB113 Principles of Information Management | 9 | 3 |
| ISB350 Minor Studies | 3 | 1 |
| ISB998 Special Topic - Business Computing | 9 | 3 |
| MNB091 Marketing | 9 | 2 |
| MNB151 Microeconomic Analysis | 12 | 3 |
| SECOND SEMESTER ELECTIVES | | |
| ACB230 Financial Management I | 12 | 4 |
| ACB360 Computer Security & Audit | 12 | 3 |
| CSB213 Scientific Applications | 9 | 3 |
| CSB323 Data Security | 9 | 3 |
| ISB219 Advanced COBOL | 9 | 3 |
| ISB350 Minor Studies | 3 | 1 |
| ISB999 Special Topic - Business Computing | 9 | 3 |
| MNB151 Microeconomic Analysis | 12 | 3 |
| MNB181 Australian National Government B | 12 | 3 |
| MNB252 Business Statistics | 12 | 3 |

■ Bachelor of Business – Information Management (ISJ243)

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 |
| INB100 | Practice I (INJ232) | 12 | 4 |

* Subject to approval by the Dean of Faculty.

| | | | |
|--------|--------------------------------------|---|---|
| ISB101 | Application Systems | 9 | 3 |
| ISB102 | Representation of Information | 9 | 3 |
| ISB113 | Principles of Information Management | 9 | 3 |

Year 1, Semester 2

| | | | |
|--------|----------------------------------|----|---|
| ACB181 | Accounting Information Systems I | 9 | 2 |
| CMB104 | Professional Communication | 9 | 3 |
| CSB101 | Computer Systems I | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| INB150 | Practice II (INJ232) | 12 | 4 |

Year 2, Semester 1

| | | | |
|--------|---|----|---|
| INB202 | Practice III (ISJ243) | 12 | 4 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |
| ISB203 | Advanced Database | 9 | 3 |
| ISB215 | External Sources of Information | 9 | 3 |
| MNB302 | Principles of Management | 9 | 2 |

Year 2, Semester 2

| | | | |
|--------|--------------------------------|----|---|
| INB252 | Practice IV (ISJ243) | 12 | 4 |
| INB270 | Data Communications | 9 | 3 |
| ISB214 | The Information Resource | 9 | 3 |
| LWS004 | Information Managers & the Law | 9 | 3 |
| MNB413 | Applied Cognitive Psychology | 9 | 2 |

Year 3, Semester 1

| | | | |
|--------|--|---|---|
| ISB216 | Political & Social Aspects of Information Technology | 9 | 3 |
| ISB301 | Advanced Information Systems | 9 | 3 |
| ISB303 | Office Information Systems | 9 | 3 |
| MNB591 | Economics of Information | 9 | 2 |
| | Elective [minimum of 9 credit points] | | |

Year 3, Semester 2

| | | | |
|--------|--|----|---|
| ISB305 | Project* | 12 | 4 |
| 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 | | | |
| CSB100 | Introduction to Computer Science | 9 | 3 |
| INB105 | Practice IA (INJ232) | 6 | 2 |
| ISB102 | Representation of Information | 9 | 3 |
| Year 1, Semester 2 | | | |
| ACB181 | Accounting Information Systems I | 9 | 3 |
| INB110 | Practice IB (INJ232) | 6 | 2 |
| ISB101 | Application Systems | 9 | 3 |
| Year 2, Semester 1 | | | |
| CSB101 | Computer Systems I | 9 | 3 |
| INB155 | Practice IIA (INJ232) | 6 | 2 |
| ISB113 | Principles of Information Management | 9 | 3 |

* ISB350 Minor Studies (in conjunction with INB280) Credit Points 3/Contact Hrs/Wk 1. INB280 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 2, Semester 2

| | | | |
|--------|----------------------------|---|---|
| CMB104 | Professional Communication | 9 | 3 |
| CSB110 | Programming Principles | 9 | 3 |
| INB160 | Practice IIB (INJ232) | 6 | 2 |

Year 3, Semester 1

| | | | |
|--------|---------------------------------|---|---|
| INB207 | Practice IIIA (ISJ243) | 6 | 2 |
| ISB215 | External Sources of Information | 9 | 3 |
| MNB302 | Principles of Management | 9 | 2 |

Year 3, Semester 2

| | | | |
|--------|------------------------------|---|---|
| INB212 | Practice IIIB (ISJ243) | 6 | 2 |
| ISB214 | The Information Resource | 9 | 3 |
| MNB413 | Applied Cognitive Psychology | 9 | 2 |

Year 4, Semester 1

| | | | |
|--------|---|---|---|
| INB257 | Practice IVA (ISJ243) | 6 | 2 |
| ISB201 | Information Systems Analysis & Design I | 9 | 3 |
| ISB203 | Advanced Database | 9 | 3 |

Year 4, Semester 2

| | | | |
|--------|--------------------------------|---|---|
| INB262 | Practice IVB (ISJ243) | 6 | 2 |
| INB270 | Data Communications | 9 | 3 |
| LWS004 | Information Managers & the Law | 9 | 3 |

Year 5, Semester 1

| | | | |
|--------|--|---|---|
| ISB216 | Political & Social Aspects of Information Technology | 9 | 3 |
| ISB301 | Advanced Information Systems | 9 | 3 |
| MNB591 | Economics of Information | 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 | 4 |
| 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 will depend on sufficient minimum enrolments in the subject and the availability of staff. The choice of all electives is subject to the approval of the relevant Head of School.

Special Electives

| | | Credit Points | Contact Hrs/Wk |
|--------|---|----------------------|-----------------------|
| INB099 | English for Academic Purposes (Subject to the Dean's approval) | 9 | 3 |

* ISB350 Minor Studies (in conjunction with INB280) Credit Points 3/Contact Hrs/Wk 1. INB280 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.

Kedron Park campus

Course Structures

■ Graduate Diploma of Business – Information Systems (GDIS)

Location: Kedron Park campus

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

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Marion Orlowski

Entry Requirements

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

- (i) an approved degree; and
- (ii) successful completion of first level degree subjects in business computing and computer programming, or equivalent.

Professional Recognition

This course is accredited by the Australian Computer Society.

| Part-Time Course Structure | | Credit Points | Contact Hrs/Wk |
|-----------------------------------|------------------------------|----------------------|-----------------------|
| Year 1, Semester 1 | | | |
| CO3097 | Information Analysis | 12 | 4 |
| CO4051 | Commercial Systems | 12 | 4 |
| Year 1, Semester 2 | | | |
| CO3086 | Business Systems 2 | 12 | 4 |
| | Elective | 12 | |
| Year 2, Semester 1 | | | |
| CO4052 | Database Management Systems | 12 | 4 |
| | Elective | 12 | |
| Year 2, Semester 2 | | | |
| CO3093 | Systems Planning | 12 | 4 |
| CO4050 | Advanced Database Technology | 12 | 4 |

For details of the full-time course structure, consult the Course Coordinator.

■ Bachelor of Applied Science – Computing (BASC)

Location: Kedron Park 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 Hamish Bentley

Professional Recognition

This course is accredited by the Australian Computer Society.

| Full-Time Course Structure | | Credit Points | Contact Hrs/Wk |
|-----------------------------------|--------------------------------------|----------------------|-----------------------|
| Year 1, Semester 1 | | | |
| AD3053 | Professional Communication | 12 | 3 |
| CO3100 | Introduction to Software Engineering | 12 | 3 |
| CO3101 | Introduction to Programming | 12 | 3 |
| CO3104 | Introduction to Information Systems | 12 | 3 |
| Year 1, Semester 2 | | | |
| CO3097 | Information Analysis | 12 | 4 |
| CO3102 | Concepts in Computer Systems | 12 | 3 |
| CO3103 | Data Structures | 12 | 3 |
| CO3108 | Introduction to Computer Networks | 12 | 3 |
| Year 2, Semester 1 | | | |
| CO3090 | Database Systems 1 | 12 | 4 |
| CO3095 | Commercial Applications Development | 12 | 4 |
| CO3105 | Systems Software | 12 | 3 |
| CO3109 | Systems Analysis & Design | 12 | 3 |
| Year 2, Semester 2 | | | |
| CO3089 | Commercial Systems Development | 12 | 4 |
| CO3098 | Database Systems 2 | 12 | 4 |
| CO3107 | Software Engineering | 12 | 3 |
| | Elective | 12 | |
| Year 3, Semester 1 | | | |
| CO3110 | Systems Development Project | 12 | 3 |
| CO3118 | Transaction Based Systems | 12 | 3 |
| | Elective | 12 | |
| | Elective | 12 | |
| Year 3, Semester 2 | | | |
| CO3011 | Social Implications of Computing | 12 | 3 |
| CO3093 | Systems Planning | 12 | 4 |
| CO3091 | Industry Project | 12 | 4 |
| | OR | | |
| | Elective | 12 | |
| | Elective | 12 | |
| Part-Time Course Structure | | Credit Points | Contact Hrs/Wk |
| Year 1, Semester 1 | | | |
| CO3101 | Introduction to Programming | 12 | 3 |
| CO3102 | Concepts in Computer Systems | 12 | 3 |
| Year 1, Semester 2 | | | |
| CO3103 | Data Structures | 12 | 3 |
| CO3105 | Systems Software | 12 | 3 |

To develop a course plan, part-time students are advised to follow the sequence of evening offerings shown below. Students are expected to discuss their plan with the Course Coordinator.

Subjects offered in odd numbered years

| | | | |
|--------|--------------------------------------|----|---|
| AD3053 | Professional Communication | 12 | 3 |
| CO3089 | Commercial Systems Development | 12 | 4 |
| CO3095 | Commercial Applications Development | 12 | 4 |
| CO3097 | Information Analysis | 12 | 4 |
| CO3098 | Database Systems 2 | 12 | 4 |
| CO3100 | Introduction to Software Engineering | 12 | 3 |
| CO3102 | Concepts in Computer Systems | 12 | 3 |
| CO3104 | Introduction to Information Systems | 12 | 3 |
| CO3108 | Introduction to Computer Networks | 12 | 3 |
| | Two electives | | |

Subjects offered in even numbered years

| | | | |
|--------|----------------------------------|----|---|
| CO3110 | Systems Development Project | 12 | 3 |
| CO3111 | Social Implications of Computing | 12 | 3 |
| CO3090 | Database Systems 1 | 12 | 4 |
| CO3093 | Systems Planning | 12 | 4 |
| CO3101 | Introduction to Programming | 12 | 3 |
| CO3102 | Concepts in Computer Systems | 12 | 3 |
| CO3103 | Data Structures | 12 | 3 |
| CO3105 | Systems Software | 12 | 3 |
| CO3107 | Software Engineering | 12 | 3 |
| CO3109 | Systems Analysis & Design | 12 | 3 |
| | Two electives | 12 | 3 |

Enrolment in elective subjects requires the approval of the Course Coordinator.

The following electives are available:

| | | Credit Points | Contact Hrs/Wk |
|--------|---------------------------------|---------------|----------------|
| CO3088 | Computer Organisation | 12 | 4 |
| CO3091 | Industry Project | 12 | 4 |
| CO3112 | Graphics Systems | 12 | 3 |
| CO3113 | Knowledge Engineering | 12 | 3 |
| CO3114 | Intelligent Information Systems | 12 | 3 |
| CO3115 | Computer Networks | 12 | 3 |
| CO3116 | Special Topic | 12 | - |

Further electives are available from the Bachelor of Business degree.

■ Bachelor of Business – Computing

Location: Kedron Park campus

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

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Lynn Gallagher

Coordinator: Mr Glenn Stewart

Professional Recognition

The degree is accredited by the Australian Computer Society (ACS).

Special Course Requirements

Students enrolled in the Bachelor of Business are required to choose a major. Majors may be changed after one or two semesters of study without any loss of credit for the subjects passed.

Electives may be chosen from any subjects in the Bachelor of Business program. Students may wish to choose electives from groups of related subjects to make up a minor specialisation. If they do not wish to pick up a minor specialisation they may select electives from across a wide range of subjects. In all cases prerequisites have to be met. The prerequisite standard is to be understood as a grade of four or better.

Not all majors and minors may be offered every year. The University endeavours to ensure that when substantial changes to a course occur students already enrolled are not disadvantaged with respect to completion of the course. Subjects will generally be offered in the day and evening modes. However, when the subject enrolment is low, in most cases, only the evening offering will be provided.

Full-Time Course Structure

**Credit
Points**

**Contact
Hrs/Wk**

Note: Subjects are only offered in the semester in which they are listed.

Year 1, Semester 1

| | | | |
|--------|-------------------------------------|----|---|
| AC3013 | Accounting | 12 | 4 |
| AD3040 | Organisational Communication 1 | 12 | 4 |
| CO3104 | Introduction to Information Systems | 12 | 4 |
| MK3022 | Business Quantitative Methods 1 | 12 | 4 |

Year 1, Semester 2

| | | | |
|--------|-----------------------------------|----|---|
| AD3048 | Management & Industrial Relations | 12 | 4 |
| CO3085 | Business Systems 1 | 12 | 4 |
| CO3097 | Information Analysis | 12 | 4 |
| CO3101 | Introduction to Programming | 12 | 3 |

Year 2, Semester 1

| | | | |
|--------|-------------------------------------|----|---|
| LW3012 | Legal Studies 1 | 12 | 4 |
| CO3090 | Database Systems 1 | 12 | 4 |
| CO3095 | Commercial Applications Development | 12 | 4 |
| | Elective | 12 | |

Year 2, Semester 2

| | | | |
|--------|-----------------------------------|----|---|
| CO3086 | Business Systems 2 | 12 | 4 |
| CO3089 | Commercial Systems Development | 12 | 4 |
| CO3098 | Database Systems 2 | 12 | 4 |
| CO3108 | Introduction to Computer Networks | 12 | 3 |

Year 3, Semester 1

| | | | |
|--------|-----------------------------|----|---|
| CO3092 | Online Systems | 12 | 4 |
| CO3096 | Computer Systems Management | 12 | 4 |
| CO3099 | Decision Support Systems | 12 | 4 |
| | Elective | 12 | |

Year 3, Semester 2

| | | | |
|--------|-----------------------|----|---|
| CO3087 | Programming Languages | 12 | 4 |
| CO3091 | Industry Project | 12 | 4 |
| | OR | | |
| | Elective | 12 | |
| CO3093 | Systems Planning | 12 | 4 |
| | Elective | 12 | |

Part-Time Course Structure

Credit Points **Contact Hrs/Wk**

A suggested course enrolment for part-time computing major students in 1990 is as follows:

Year 1, Semester 1

| | | | |
|--------|-------------------------------------|----|---|
| CO3104 | Introduction to Information Systems | 12 | 4 |
| CO3097 | Information Analysis | 12 | 4 |

Year 1, Semester 2

| | | | |
|--------|-----------------------------|----|---|
| CO3085 | Business Systems 1 | 12 | 4 |
| CO3101 | Introduction to Programming | 12 | 4 |

Part-time students may design their own course progression with the concurrence of the Course Coordinator. Students are recommended to follow the full-time progression as closely as possible, taking into account commitments they may have at work. It is suggested that students plan their course clustering the following sets of subjects as close together as possible:

Stream 1: CO3097 Information Analysis, CO3090 Database Systems 1, CO3098 Database Systems 2.

Stream 2: CO3095 Commercial Applications Development, CO3089 Commercial Systems Development, CO3092 Online Systems.

Stream 3: CO3085 Business Systems 1, CO3086 Business Systems 2.

The following subjects are offered in the evening in each year:

| | | | |
|--------|-------------------------------------|----|---|
| AC3013 | Accounting | 12 | 4 |
| AD3040 | Organisational Communication 1 | 12 | 4 |
| AD3048 | Management & Industrial Relations | 12 | 4 |
| CO3085 | Business Systems 1 | 12 | 4 |
| CO3093 | Systems Planning | 12 | 4 |
| CO3095 | Commercial Applications Development | 12 | 4 |
| CO3099 | Decision Support Systems | 12 | 4 |
| CO3104 | Introduction to Information Systems | 12 | 4 |
| LW3012 | Legal Studies 1 | 12 | 4 |
| MK3022 | Business Quantitative Methods 1 | 12 | 4 |

The following subjects are offered in the evening in odd numbered years:

| | | | |
|--------|--------------------------------|----|---|
| CO3088 | Computer Organisation | 12 | 4 |
| CO3089 | Commercial Systems Development | 12 | 4 |
| CO3092 | Online Systems | 12 | 4 |
| CO3096 | Computer Systems Management | 12 | 4 |
| CO3097 | Information Analysis | 12 | 4 |
| CO3098 | Database Systems 2 | 12 | 4 |

The following subjects are offered in the evening in even numbered years:

| | | | |
|--------|-----------------------|----|---|
| CO3087 | Programming Languages | 12 | 4 |
| CO3090 | Database Systems 1 | 12 | 4 |

■ Associate Diploma of Business – Computing (ADCM)

Location: Kedron Park 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 Neville Richter

Professional Recognition

This course is accredited by the Australian Computer Society.

| Full-Time Course Structure | | Credit Points | Contact Hrs/Wk |
|-----------------------------------|---|----------------------|-----------------------|
| Year 1, Semester 1 | | | |
| AD1004 | Introduction to Management | 12 | 4 |
| AD1005 | Communication | 12 | 4 |
| CO1025 | Introduction to Computers | 12 | 4 |
| CO1035 | Software Principles | 12 | 4 |
| Year 1, Semester 2 | | | |
| AC1002 | Accounting Principles | 12 | 4 |
| CO1026 | Commercial Programming | 12 | 4 |
| CO1027 | Systems Analysis | 12 | 4 |
| ST1011 | Quantitative Methods | 12 | 4 |
| Year 2, Semester 1 | | | |
| CO1029 | Microcomputers: Hardware & Applications | 12 | 4 |
| CO1031 | Software Development | 12 | 4 |
| CO1032 | Database Systems 1 | 12 | 4 |
| CO1036 | Systems Design | 12 | 4 |
| Year 2, Semester 2 | | | |
| CO1028 | Computer Languages | 12 | 4 |
| CO1030 | Computer Network | 12 | 4 |
| CO1033 | Database Systems 2 | 12 | 4 |
| CO1034 | Project | 12 | - |
| | OR | | |
| | Elective | 12 | |

Part-Time Course Structure (for students commencing study in even years)

| | | | |
|---------------------------|----------------------------|----|---|
| Year 1, Semester 1 | | | |
| CO1025 | Introduction to Computers | 12 | 4 |
| CO1035 | Software Principles | 12 | 4 |
| Year 1, Semester 2 | | | |
| AC1002 | Accounting Principles | 12 | 4 |
| CO1026 | Commercial Programming | 12 | 4 |
| Year 2, Semester 1 | | | |
| AD1004 | Introduction to Management | 12 | 4 |
| AD1005 | Communication | 12 | 4 |
| Year 2, Semester 2 | | | |
| CO1027 | Systems Analysis | 12 | 4 |
| ST1011 | Quantitative Methods | 12 | 4 |

Year 3, Semester 1

| | | | |
|--------|----------------------|----|---|
| CO1031 | Software Development | 12 | 4 |
| CO1036 | Systems Design | 12 | 4 |

Year 3, Semester 2

| | | | |
|--------|--------------------|----|---|
| CO1028 | Computer Languages | 12 | 4 |
| CO1030 | Computer Networks | 12 | 4 |

Year 4, Semester 1

| | | | |
|--------|---|----|---|
| CO1029 | Microcomputers: Hardware & Applications | 12 | 4 |
| CO1032 | Database Systems 1 | 12 | 4 |

Year 4, Semester 2

| | | | |
|--------|--------------------|----|---|
| CO1033 | Database Systems 2 | 12 | 4 |
| CO1034 | Project | 12 | - |
| | OR | | |
| | Elective | 12 | |

Part-Time Course Structure (for students commencing study in odd years)**Year 1, Semester 1**

| | | | |
|--------|---------------------------|----|---|
| CO1025 | Introduction to Computers | 12 | 4 |
| CO1035 | Software Principles | 12 | 4 |

Year 1, Semester 2

| | | | |
|--------|------------------------|----|---|
| AC1002 | Accounting Principles | 12 | 4 |
| CO1026 | Commercial Programming | 12 | 4 |

Year 2, Semester 1

| | | | |
|--------|----------------------------|----|---|
| AD1004 | Introduction to Management | 12 | 4 |
| AD1005 | Communication | 12 | 4 |

Year 2, Semester 2

| | | | |
|--------|----------------------|----|---|
| CO1027 | Systems Analysis | 12 | 4 |
| ST1011 | Quantitative Methods | 12 | 4 |

Year 3, Semester 1

| | | | |
|--------|---|----|---|
| CO1029 | Microcomputers: Hardware & Applications | 12 | 4 |
| CO1032 | Database Systems 1 | 12 | 4 |

Year 3, Semester 2

| | | | |
|--------|--------------------|----|---|
| CO1033 | Database Systems 2 | 12 | 4 |
| CO1034 | Project | 12 | - |
| | OR | | |
| | Elective | 12 | |

Year 4, Semester 1

| | | | |
|--------|----------------------|----|---|
| CO1031 | Software Development | 12 | 4 |
| CO1036 | Software Design | 12 | 4 |

Year 4, Semester 2

| | | | |
|--------|----------------------|----|---|
| CO1028 | Computer Programming | 12 | 4 |
| CO1030 | Computer Networks | 12 | 4 |

