Bachelor of Information Technology (Honours) (IT28)

Year offered: 2010
Admissions: Yes
CRICOS code: 017323G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (indicative): 2010: CSP $3,790 (indicative) per semester
International Fees (indicative): 2010: $11,000 (indicative) per semester
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Course coordinator: Dr Jinglan Zhang
Campus: Gardens Point

Course Overview
Through a combination of research and advanced coursework units students can pursue specialised studies in a particular area of information technology. The course offers the opportunity to develop research and development skills, work on cutting-edge technology, and have access to specialist hardware and software. As a successful Honours graduate you are eligible to start a doctoral program, and can expect to obtain a research or teaching position. A wider range of career opportunities are available.

Entry Requirements
A Bachelor of Information Technology from QUT or its equivalent, completed within 18 months prior to enrolment with a minimum grade point average of 5 on a 7-point scale or its equivalent OR demonstrated outstanding performance in the final year of the degree OR work experience or research considered appropriate by the Course Coordinator.

The 'Accelerated' Honours Program
The 'Accelerated Honours' program has been structured to provide an incentive for high achieving Bachelor of Information Technology students to continue into the Faculty's Honours Program. See course entry IT29 for further information.

Notes
Duration
Except in special circumstances as approved by the Dean, the requirements for an Honours degree must be completed within two successive years following first enrolment.

Unsatisfactory Progress
Failure to make satisfactory progress with either the course work component of an Honours program or with the dissertation, or both, may lead to exclusion from the program.

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

Assessment
The minimum grade which may be credited towards an Honours degree is 4 (or Satisfactory, where applicable). A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by the examiners before final printing and binding. Dissertations will be examined by an examining committee appointed by the Dean and consisting of at least two examiners, one of whom may be external to the University. The supervisor of the candidate's work may be a member of the committee but may not chair the committee or act as the primary examiner.

Determination of Level of Honours Awards
The Faculty Academic Board will determine the level of Honours awarded.

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

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

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

- Honours 1 - GPA 6.50-7.00, or equivalent
- Honours 2A - GPA 5.50-6.49, or equivalent
- Honours 2B - GPA 4.50-5.49, or equivalent
- Honours 3 - GPA 4.00-4.49, or equivalent

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

Further Information
For further information about this course, please contact:

Dr Jinglan Zhang
Phone: +61 7 3138 2782
Email: enquiry.scitech@qut.edu.au

IT28 - Bachelor of Information Technology (Honours) (2010)

FULL TIME
### IT28 - Bachelor of Information Technology (Honours)

#### (2009)

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<th>Year 1, Semester 1</th>
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<tr>
<td>INN700  Introduction To Research</td>
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<td>INN401  Honours Dissertation 1</td>
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<td>INN701  Advanced Research Topics</td>
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#### Year 1, Semester 2

| INN402  Honours Dissertation 2 |
| INN403  Honours Dissertation 3 |
| INN404  Honours Dissertation 4 |
| Elective |

### FULL TIME

#### Year 1, Semester 1

| INN700  Introduction To Research |
| INN401  Honours Dissertation 1 |
| Elective |

#### Year 1, Semester 2

| INN402  Honours Dissertation 2 |
| INN403  Honours Dissertation 3 |
| INN404  Honours Dissertation 4 |
| Elective |

### PART TIME

#### Year 1, Semester 1

| INN700  Introduction To Research |
| INN401  Honours Dissertation 1 |

#### Year 1, Semester 2

| INN402  Honours Dissertation 2 |
| INN701  Advanced Research Topics |

#### Year 2, Semester 1

| INN403  Honours Dissertation 3 |
| Elective |

#### Year 2, Semester 2

| INN404  Elective |

**Elective Units** - Students should choose advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit that is not of an advanced level should contact the Course Coordinator.

INN701 enrolment - Though students are required to enrol in INN701 in their first semester of honours, the unit offers flexible enrolment through (a) a choice of modules on offer, and through (b) the option of undertaking the minimum necessary number of modules across more than one semester (see INN701 week 1 document for further details on enrolment flexibility).

Full-time students should be aware that many electives may be offered evenings only.

**IT28 - Bachelor of Information Technology (Honours)**

#### (2008)

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### FULL TIME

#### Year 1, Semester 1

| INN700  Introduction To Research |
| INN401  Honours Dissertation 1 |

| Elective |

### Year 2, Semester 1

| INN403  Honours Dissertation 3 |
| Elective |

### Year 2, Semester 2

| INN404  Elective |

**Elective Units** - Students should choose advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit that is not of an advanced level should contact the Course Coordinator.

Full-time students should be aware that many electives may be offered evenings only.
| Year 1, Semester 1 | ITN100 | Introduction to Research |
|                   |       | Elective                  |
|                   | ITN191| Honours Dissertation 1   |

| Year 1, Semester 2 | ITN192| Honours Dissertation 2   |
|                   |       | Elective                  |
|                   | ITN193| Honours Dissertation 3   |
|                   | ITN194| Honours Dissertation 4   |
|                   |       | Elective                  |

| Year 2, Semester 1 | INN403| Honours Dissertation 3   |
|                   |       | Honours Elective          |

| Year 2, Semester 2 | INN404| Honours Dissertation 4   |
|                   |       | Honours Elective          |
|                   |       | INN701 enrolment - Though students are required to enrol in INN701 in their first semester of honours, the unit offers flexible enrolment through (a) a choice of modules on offer, and through (b) the option of undertaking the minimum necessary number of modules across more than one semester (see INN701 week 1 document for further details on enrolment flexibility). |

### IT Honours Elective Units

#### Elective units

The following electives are only suggestions:

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<th>Approved Honours Electives</th>
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<th>Advanced Honours Electives</th>
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<td>INN652</td>
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INN650 Advanced Network Management

Mid Year Entry - Full Time

Mid Year Entry - FULL TIME

Year 1, Semester 2
INN700 Introduction To Research
INN701 Advanced Research Topics
INN401 Honours Dissertation 1
Elective

Year 1, Semester 3 (Summer)
INN402 Honours Dissertation 2
INN403 Honours Dissertation 3
INN404 Honours Dissertation 4
Elective

Mid Year Entry - PART TIME

Year 1, Semester 2
INN700 Introduction To Research
INN401 Honours Dissertation 1

Year 1, Semester 3 (Summer)
INN402 Honours Dissertation 2
INN701 Advanced Research Topics

Year 2, Semester 1
INN403 Honours Dissertation 3
Elective

Year 2, Semester 2
INN404 Honours Dissertation 4
Elective

INN701 enrolment - Though students are required to enrol in INN701 in their first semester of honours, the unit offers flexible enrolment through (a) a choice of modules on offer, and through (b) the option of undertaking the minimum necessary number of modules across more than one semester (see INN701 week 1 document for further details on enrolment flexibility).

Elective Units - Students should choose advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit that is not of an advanced level should contact the Course Coordinator.

Potential Careers:
Computer Games Developer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Journalist, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Web Designer.

UNIT SYNOPSES

INN181 INTRODUCTION TO GAMES PRODUCTION
This subject will provide you with knowledge and skills in games production. By gaining an overview of the production process, you will learn how the technology and the people involved integrate into a coherent and efficient manufacturing process. By the end of this subject you will have the knowledge to conceive, create, integrate and optimise tools and personnel into a complete games production system.

Antirequisites: INB181, ITB751, ITN751
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2010 SEM-2

INN255 SECURITY
This unit aims to give you an understanding of the major issues in information security. You will be able to identify critical information security concepts and determine the information security implications of interactions between entities. You will have knowledge of a range of techniques for protecting information, and understand the limitations of these techniques. You will be aware of international information security management standards.

Antirequisites: INB255
Equivalents: ITB161, ITB523, ITB623, ITB730, ITN161, ITN511, ITN523, ITN623, ITN663, ITN730
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2010 SEM-1

INN272 INTERACTION DESIGN
The aim of this unit is to provide you with an understanding of the theory, practices and challenges associated with the development of creative interactive design and human computer interaction.

Antirequisites: INB272
Equivalents: ITN254
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2010 SEM-2
INN312 ENTERPRISE SYSTEMS APPLICATIONS

The aim of this unit is to introduce one of the more complex and comprehensive Enterprise Systems applications. This unit introduces the business perspective and application processes of modules (such as FI, CO, PP, MM and S&D) and investigates the support provided by these systems and the integration between modules by following some of the major processes in a business. The unit enables you to experience both the business analyst view and the user's view of the system across a number of business processes.

Antirequisites: INB312, ITB233  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-1

INN313 ELECTRONIC COMMERCE SITE DEVELOPMENT

This unit will enable you to specify, design, implement and maintain effective e-commerce applications. You will obtain a broad understanding of the potential of e-commerce and how it can be employed to benefit an organisation. You will get direct experience of creating an e-commerce storefront following a business to business (B to B) or business to consumer (B to C) model. You will also have an understanding of the computer systems that underpin e-commerce including payment systems and secure transactions.

Antirequisites: INB313 and ITB260  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-2

INN321 BUSINESS PROCESS MANAGEMENT

The aim of this unit is to introduce you to modern methodologies of Business Process Management. A main objective is to increase your awareness of the close link between business requirements and IT capabilities, and the related fundamental role of business processes. This unit also seeks to develop logical thinking, an appreciation for conceptual models, and the capability to understand and deal with complex systems.

Antirequisites: INB321  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-1

INN322 INFORMATION SYSTEMS CONSULTING

The aim of the unit is to develop your skills in the consulting engagement process. This unit will give you an appreciation of the management of consulting practices and an understanding of the consulting sector generally. This unit presents the tactical and strategic issues involved in management consulting, and in particular: client engagement. In the unit there is an emphasis on Information Systems (IS) related work. IS constitutes a substantial portion of consulting activity and cuts across all areas of business expertise. The unit examines the dynamics of IS consulting within the context of large consulting firms and familiarises students with the consulting engagement lifecycle.

Antirequisites: INN335, ITN332, INB322  
Assumed knowledge: Good knowledge of professional oral and written communication practices and team work processes is assumed.  
Equivalents: ITN273  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-1

INN342 ENTERPRISE DATA MINING AND DATA ANALYSIS

This unit will provide a comprehensive theoretical coverage of various topics in data and web mining. In addition there will be a significant practical component using hands on tools to solve real-world problems. Specifically, we will consider techniques from machine learning, data mining, text mining, and information retrieval to extract useful knowledge from data which are used for business intelligence, document databases, site management, personalization, and user profiling. This unit will first cover a detailed overview of the mining process and techniques, and then concentrate on applications of these techniques to web, e-commerce, document databases and data from advanced applications.

Prerequisites: INN210 or INN340 or INN122  
Antirequisites: ITB239, INB342  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-2

INN352 NETWORK PLANNING

The unit draws together subject matter from a number of different networking-related areas. The aim of the unit is to assemble the previously acquired knowledge and techniques and apply it in a cohesive fashion to the task of network planning.

Antirequisites: INB352, ITN722, ITN551, ITB628, ITB551, ITB722  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-2

INN353 WIRELESS AND MOBILE NETWORKS

This unit provides you with the skills to be able to design and understand the issues involved with different types of wireless communications systems. It develops your knowledge of Wide Area Networks (WANs), Local Area Networks (LANs) and Personal Area Networks (PANs) as well as skills in programming for mobile handsets. You will also develop knowledge of the different types of wireless communications technologies available and when each is most applicable in a particular situation.
Antirequisites: INB353  Assumed knowledge: INN251 is assumed knowledge.  Equivalents: ITB723, ITN723  
Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

INN355 CRYPTOLOGY AND PROTOCOLS
Cryptographic techniques are widely used to implement computer and network security. As an IT security professional you may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This elective unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols.

Antirequisites: INB355  Assumed knowledge: Maths B or equivalent (e.g. MAB105) is assumed knowledge.  Equivalents: ITB548, ITB566, ITB646, ITB732, ITN566, ITN512, ITN581, ITN732.  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

INN370 SOFTWARE DEVELOPMENT
Understanding software development is an integral part of the IT industry for software engineers.? Software development relies on object technologies, programming techniques and numerous code libraries provided by language developers and third party vendors.? Integrated Development Environments, unit testing frameworks, automated and continuous build tools and versioning systems are all becoming part of the tool set modern software developers must be familiar with.? This unit is designed to introduce these technologies and techniques to show how software can be rapidly developed.

Antirequisites: INB370  Assumed knowledge: INN270 is assumed knowledge.  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

INN373 WEB APPLICATION DEVELOPMENT
This unit will provide you with an understanding of the issues, structure and technologies used for developing web-based systems. The unit will provide you with the theoretical and practical skills needed to develop enterprise critical applications designed with an n-tier architecture using state of the art technologies. A comparative technology approach is taken, including an analysis of how web technologies have evolved to date, in order to identify common themes and to better enable you to comprehend and critically evaluate future web technology offerings.

Antirequisites: INB373  Assumed knowledge: INN271 is assumed knowledge.  Equivalents: ITB716, ITN716.  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

INN374 ENTERPRISE SOFTWARE ARCHITECTURE
This unit aims to introduce you to the field of enterprise architecture. It attempts to give you a grounding in the basic knowledge and skills required by an enterprise architect. This includes a solid understanding of the IT challenges currently facing medium to large size organizations, the theory and technologies currently used to address them and an appreciation of the business imperative for which they are utilized.

Prerequisites: INN270, INB270, ITN700, or ITB003  Antirequisites: INB374 and ITB717  Equivalents: ITN717  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

INN381 MODELLING AND ANIMATION TECHNIQUES
The unit will provide you with the knowledge and skills to use an industry standard graphics API to implement graphics applications and to develop a basic real time animation system using an industry standard language.

Prerequisites: INB371 or INN371, and MAB281  Antirequisites: INB381, ITB441, ITB460, ITB648, ITB649, ITB746  Equivalents: ITN440, ITN460, ITN746  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1 and 2010 SEM-2

INN382 REAL TIME RENDERING TECHNIQUES
This unit will provide you with knowledge and skills in basic to advanced techniques in real-time rendering using shading languages. You will be able to implement a high-quality real-time rendering system in an industry standard API.

Prerequisites: INN381 and MAB281  Antirequisites: INB382  Equivalents: ITN747  Credit points: 12  Campus: Gardens Point  Teaching period: 2010 SEM-2

INN385 MULTIMEDIA SYSTEMS
This unit will explore the concepts underpinning multimedia systems and the role played by these technologies in the overall knowledge of a computer professional. You will learn to: design and develop different kinds of interactive multimedia applications; understand the bank of knowledge in cultural developments surrounding the emergence of multimedia technologies; analyse design and processes that contribute to the production of a creative work, using contemporary hardware and software technologies; develop the creative potential of temporal media forms and their placement and use within new media works; understand principles and conventions associated with the interpretation
and production of meaning through interactive visual representation.

**Antirequisites:** INB385  **Assumed knowledge:** INN271 is assumed knowledge. INN272 should be enrolled in the same teaching period.  **Equivalents:** ITN257, ITB257

**Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1

### INN386 ADVANCED MULTIMEDIA SYSTEMS

This advanced level unit will give you high level design and development skills in some of the current and emerging areas of the new media. Web delivered applications, stand-alone systems and installations will be included. It will endeavour to give you an in-depth understanding of interactive Multimedia Systems. You will be given the theoretical basis and practical skills to motivate you in the design and creation of a state-of-the-art system in this discipline. In the process it will encourage a professional team approach appropriate to the industry environment.

**Prerequisites:** INN385  **Antirequisites:** INN386 and ITB259  **Equivalents:** ITN259  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2

### INN401 HONOURS DISSERTATION 1

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

**Prerequisite(s):** Nil  **Corequisite(s):** ITN100 Research Methodology  **Credit points:** 12  **Campus:** Gardens Point  **Incompatible with:** Nil

### INN402 HONOURS DISSERTATION 2

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

**Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1, 2010 SEM-2 and 2010 SUM

### INN402 HONOURS DISSERTATION 1

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

**Prerequisite(s):** Nil  **Corequisite(s):** ITN100 Research Methodology  **Credit points:** 12  **Campus:** Gardens Point  **Incompatible with:** Nil

### INN403 HONOURS DISSERTATION 3

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.
INN403 HONOURS DISSERTATION 3
Research is about contributing to scientific knowledge. You will
be expected to make such a contribution in your honours
dissertation, although the size of that contribution will
probably be relatively small as this is likely to be your
first research project. The principle aim, however, is to
provide you with basic research skills that you will be able
to apply again in the future in other contexts, be they in a
higher research degree, or applied to real-world problems in
an industry setting. You will learn the types of processes,
creativity and analytical thinking that leads to such scientific
advances and how to communicate such findings in a
rigorous scientific manner.

Prerequisite(s): Nil Corequisite(s): ITN100 Research Methodology Credit points: 12 Campus: Gardens Point Incompatible with: Nil

INN404 HONOURS DISSERTATION 4
Research is about contributing to scientific knowledge. You
will be expected to make such a contribution in your honours
dissertation, although the size of that contribution will
probably be relatively small as this is likely to be your
first research project. The principle aim, however, is to
provide you with basic research skills that you will be able
to apply again in the future in other contexts, be they in a
higher research degree, or applied to real-world problems in
an industry setting. You will learn the types of processes,
creativity and analytical thinking that leads to such scientific
advances and how to communicate such findings in a
rigorous scientific manner.

Credit points: 12 Campus: Gardens Point Teaching period: 2010 SEM-1, 2010 SEM-2 and 2010 SUM

INN500 PRINCE2 (R) PROJECT MANAGEMENT
The majority of information technology (IT) initiatives, such
as systems developments and implementations, are
introduced into organizations through projects, and the
success of these projects depends on their effective
management. This unit covers the integration of the multi-
disciplinary skills that students would have acquired at stage
in the course required to manage IT projects successfully.
Specifically, it covers the administrative, technical,
communication and socio-political demands placed on
modern IT project managers. The unit covers practical,
relevant and topical IT project management issues delivered
through practical tutorials and lectures.

Prerequisites: Completion of 36 credit points of Postgraduate units (INN% or PUN% or GSN%)
Antirequisites: INB123, ITB365, ITB272 Credit points: 12 Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-1 and 2010 SEM-2

INN570 INTERNATIONALISATION OF SOFTWARE
Software is now a global market, and developers need to be
able to produce applications that can be used in many
different cultures and nations. There is a significant body of
enabling technology that allows efficient and cost effective
development of applications that can be used in diverse
distinct. Understanding the principles and the technologies
involved in internationalisation and localisation is essential
do companies seeking to go global or that are already
global.

Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2010 SEM-2

INN610 CASE STUDIES IN ENTERPRISE SYSTEMS
This unit seeks to develop business process analysts
able to work as consultants. It seeks to develop the
generic skills expected in graduates and in particular
develop better interpersonal skills, better written and oral
communication skills, skills in conflict resolution, negotiation,
project planning and project management. You will learn to
identify, analyse and consider interdependencies. You will
increase your awareness for the challenges of teamwork.
The projects also allow you to apply the theoretical
knowledge gained in the pre-requisite unit to real practical
problems. Overall, you will get insights into the skills, tools
and services of consultants.

Credit points: 12 Campus: Gardens Point Teaching period: 2010 SEM-2

INN650 ADVANCED NETWORK MANAGEMENT
Computer networks are an essential component of modern
civilization. Students undertaking this unit will have
previously learned the fundamental theory and practical aspects of network administration and management. This unit builds upon that foundation and extends the knowledge and skills to enterprise wide networks which are significantly more complex than small networks. Security of enterprise wide networks is an important issue in this unit, along with network management systems.

**Assumed knowledge:** INB351, INN351, ITN721 or ITB721 is assumed knowledge. **Equivalents:** ITN771 **Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1

**INN652 ADVANCED CRYPTOLOGY**

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project in advanced cryptology. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

**Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2

**INN700 INTRODUCTION TO RESEARCH**

This unit is aimed at those seeking to undertake a major research project. Except in unusual circumstances, you should have a project in mind and have organised a supervisor.

**Prerequisite(s):** Min GPA 5  **Corequisite(s):** Nil  **Credit points:** 12  **Campus:** Gardens Point  **Incompatible with:** previously offered as ITN100

**INN700 INTRODUCTION TO RESEARCH**

This unit is aimed at those seeking to undertake a major research project. Except in unusual circumstances, you should have a project in mind and have organised a supervisor.

**Assumed knowledge:** Must be con-currently enrolled in either full-time or part-time Higher Research Degree (i.e. PhD, ProDoc, Research Masters, or Honours) or, if coursework masters then a 48cp research project. In all instances, must have a formal Principle Supervisor **Equivalents:** ITN100  **Other requisites:** Unit Coordinator Approval and a course GPA of at least 5.5 is required to enrol.  **Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1, 2010 SEM-2 and 2010 SUM

**INN701 ADVANCED RESEARCH TOPICS**

This unit is designed to allow for the significant development of, or emphasis in, information systems not dealt with in other course units. Selected topics and study areas are offered as required and when the expertise is available. See School of Information Systems announcements for details of topics being offered.

**Equivalents:** ITN269  **Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1, 2010 SEM-2 and 2010 SUM

**ITN100 INTRODUCTION TO RESEARCH**

This unit is aimed at those seeking to undertake a major research project. Except in unusual circumstances, you should have a project in mind and have organised a supervisor.

**Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER

**ITN191 HONOURS DISSERTATION 1**

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

**Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER

**ITN192 HONOURS DISSERTATION 2**

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

**Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER
ITN193 HONOURS DISSERTATION 3
Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in a industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Credit points: 12   Campus: Gardens Point   Teaching period: 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER

ITN194 HONOURS DISSERTATION 4
Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in a industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Credit points: 12   Campus: Gardens Point   Teaching period: 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER