Bachelor of Information Technology (Honours) -
Accelerated Program (IT29)

Year offered: 2010
Admissions: Yes
CRICOS code: 017323G
Course duration (full-time): 2 semesters
Domestic fees (indicative): 2010: CSP $3,730 (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
The 'Accelerated Honours' program has been structured to provide an incentive for high achieving IT undergraduate students to continue into the Honours Program. Benefits of this accelerated program are:
* you are approved to undertake a concurrent enrolment in the final semester of your IT undergraduate course, that is to say, the student may enrol in undergraduate units and Honours.
* 12 credit points will be credited towards Block 3 electives in your IT undergraduate course on the basis of coursework studies completed in IT29 Honours.
* you are able to complete a four year program within 3 1/2 years.

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.

Please note: tuition fees normally apply for Summer enrolment.

Notes
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.

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

Unsatisfactory progress consists of:
- receiving a grade of less than 4 (or Satisfactory, where applicable) in one unit of the course work component.
- failure to make sufficient progress with the dissertation component, in the opinion of the Dean.

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

Further Information
For further information about this course, please contact: Dr Jinglan Zhang
Phone: +61 7 3138 2782
Email: enquiry.sctech@qut.edu.au

IT29 - Bachelor of Information Technology (Honours) -
Accelerated Program (2010)

Year 3, Semester 1*
## Elective

**Year 3, Semester 2**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>INN700</td>
<td>Introduction To Research</td>
</tr>
<tr>
<td>INN401</td>
<td>Honours Dissertation 1</td>
</tr>
<tr>
<td>INN701</td>
<td>Advanced Research Topics</td>
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**Year 3, Semester 3**

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>INN402</td>
<td>Honours Dissertation 2</td>
</tr>
<tr>
<td>INN403</td>
<td>Honours Dissertation 3</td>
</tr>
<tr>
<td>INN404</td>
<td>Honours Dissertation 4</td>
</tr>
</tbody>
</table>

* The first semester of the Accelerated Honours Program occurs in the final semester of an undergraduate IT course (48 credit points remaining). This involves a concurrent enrolment with the undergraduate course (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.

Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact their IT Course Coordinator for further details.

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.

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).

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## MID YEAR ENTRY

**Year 3, Semester 2**

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**Year 3, Semester 3**

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<tr>
<td>INN401</td>
<td>Honours Dissertation 1</td>
</tr>
</tbody>
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## IT29 - Bachelor of Information Technology (Honours) - Accelerated Program (2009)

**Year 3, Semester 1**

<table>
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<tr>
<td>Elective</td>
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**Year 3, Semester 2**

<table>
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<tr>
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<tr>
<td>INN401</td>
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**Year 3, Semester 3**

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<td>Elective</td>
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</table>
INN402  Honours Dissertation 2  
INN403  Honours Dissertation 3  
INN404  Honours Dissertation 4  

* The first semester of the Accelerated Honours Program occurs in the final semester of an undergraduate IT course (48 credit points remaining). This involves a concurrent enrolment with the undergraduate course (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.  

Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact their IT Course Coordinator for further details.  

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.  

MID YEAR ENTRY  
Year 3, Semester 2*  
Elective  
Year 3, Semester 3  
INN700  Introduction To Research  
INN401  Honours Dissertation 1  
INN402  Honours Dissertation 2  

Year 4, Semester 1  
INN403  Honours Dissertation 3  
INN404  Honours Dissertation 4  
Elective  
Elective  

* The first semester of the Accelerated Honours Program occurs in the final semester of an undergraduate IT course (48 credit points remaining). This involves a concurrent enrolment with the undergraduate course (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.  

Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact their IT Course Coordinator for further details.  

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.  

MID YEAR ENTRY  
Year 3, Semester 2*  
Elective  
Year 3, Semester 3  
ITN100  Introduction to Research  
ITN191  Honours Dissertation 1  
Elective  
Elective  

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

* The first semester of the Accelerated Honours Program occurs in the final semester of the IT22 course (48 credit points remaining). This involves a concurrent enrolment with IT22 (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.  

Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact the IT22 Course Coordinator for further details.  

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.
ITN194

Elective

Elective

* The first semester of the Accelerated Honours Program occurs in the final semester of the IT22 course (48 credit points remaining). This involves a concurrent enrolment with IT22 (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.

Please note: tuition fees normally apply for Summer enrolment.

**IT Honours Elective Units**

<table>
<thead>
<tr>
<th>Elective units</th>
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<tbody>
<tr>
<td>The following electives are only suggestions:</td>
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### Approved Honours Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>INN312</td>
<td>Enterprise Systems Applications</td>
</tr>
<tr>
<td>INN342</td>
<td>Enterprise Data Mining and Data Analysis</td>
</tr>
<tr>
<td>INN272</td>
<td>Interaction Design</td>
</tr>
<tr>
<td>INN385</td>
<td>Multimedia Systems</td>
</tr>
<tr>
<td>INN313</td>
<td>Electronic Commerce Site Development</td>
</tr>
<tr>
<td>INN322</td>
<td>Information Systems Consulting</td>
</tr>
<tr>
<td>INN500</td>
<td>PRINCE2 (R) Project Management</td>
</tr>
<tr>
<td>INN321</td>
<td>Business Process Management</td>
</tr>
<tr>
<td>INN370</td>
<td>Software Development</td>
</tr>
<tr>
<td>INN373</td>
<td>Web Application Development</td>
</tr>
<tr>
<td>INN374</td>
<td>Enterprise Software Architecture</td>
</tr>
<tr>
<td>INN352</td>
<td>Network Planning</td>
</tr>
<tr>
<td>INN353</td>
<td>Wireless and Mobile Networks</td>
</tr>
<tr>
<td>INN381</td>
<td>Modelling and Animation Techniques</td>
</tr>
<tr>
<td>INN181</td>
<td>Introduction to Games Production</td>
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</tbody>
</table>

### Advanced Honours Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>INN610</td>
<td>Case Studies in Enterprise Systems</td>
</tr>
<tr>
<td>INN386</td>
<td>Advanced Multimedia Systems</td>
</tr>
<tr>
<td>INN255</td>
<td>Security</td>
</tr>
<tr>
<td>INN355</td>
<td>Cryptology and Protocols</td>
</tr>
</tbody>
</table>

### Bachelor of Information Technology (Honours) - Accelerated Program Mid-Year entry

#### Semester 2, 2010

- Honours Elective
- Final Semester of IT22, IT23 or IT Double Degree

#### Summer semester, 2010

- INN700 Introduction To Research
- INN401 Honours Dissertation 1
- INN402 Honours Dissertation 2

#### Semester 1, 2011

- INN403 Honours Dissertation 3
- INN404 Honours Dissertation 4
- Honours Elective
- Honours Elective

### Potential Careers:


### 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-1

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  Equivalents: ITN233  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

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  Equivalents: ITN260

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  Equivalents: ITN298  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  Equivalents: ITN239
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.  Equivalents: ITB716, ITN716,  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-2

INN381 MODELLING AND ANIMATION TECHNIQUES
The unit will provide you with the knowledge and skills to show how software can be rapidly developed. 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: 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: INB386 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 Incompatible with: Nil
Credit points: 12 Campus: Gardens Point
Teaching period: 2010 SEM-1, 2010 SEM-2 and 2010 SUM

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 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.

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.

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

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

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.

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

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 contexts. Understanding the principles and the technologies involved in internationalisation and localisation is essential.
for 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 capable of working as consultants. It seeks to develop the generic skills expected in graduates and in particular to 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 requirements: 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 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

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 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