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## IMPORTANT DATES

### FIRST SEMESTER 2012
- **5 MARCH**
  LECTURES BEGIN
- **6 - 13 APRIL**
  MID-SEMESTER VACATION
- **11 - 15 JUNE**
  STUDY VACATION
- **18 - 30 JUNE**
  EXAMINATION PERIOD
- **30 JUNE**
  SEMESTER ENDS

### SECOND SEMESTER 2012
- **30 JULY**
  LECTURES BEGIN
- **24 - 28 SEPTEMBER**
  MID-SEMESTER VACATION
- **5 - 9 NOVEMBER**
  STUDY VACATION
- **12 - 24 NOVEMBER**
  EXAMINATION PERIOD
- **24 NOVEMBER**
  SEMESTER ENDS

### SUMMER SCHOOL
- **3 JANUARY**
  LECTURES BEGIN
- **2 MARCH**
  SUMMER SCHOOL ENDS
The School of Information Technologies’ postgraduate coursework programs offer a carefully chosen blend of courses in principles and practice in computer science, information systems management and software engineering.

Our programs have been designed to meet students’ needs and learning objectives at varying levels.

You may have a formal undergraduate or postgraduate background in IT and are seeking a course to enhance or upgrade your skills. The Master of Information Technology (MIT) is the most suitable course for you.

If you have been working in the IT industry in a technical role, and are aspiring to move into management, the Master of IT Management (MITM) is appropriate for you.

For students who do not have a formal background in IT but want a starting point into the IT industry, we have the Graduate Diploma in Computing (GDC).

Whichever program you choose, I look forward to welcoming you to our school in the future.

Professor Sanjay Chawla
Head, School of Information Technologies
THE SYDNEY ADVANTAGE

SYDNEY CHOICE
At the University of Sydney we offer choice - a wide range of modular courses with flexible degree structures. We don’t believe one model fits all. We encourage you to start working towards your goal, your way, from your first day at university.

A RICH AND VIBRANT STUDENT LIFE
With hundreds of clubs and societies, cafes, bars, bands, theatre productions, sports, and three sporting complexes, you will be a part of Australia’s most vibrant and active student community.

OUR CAMPUS
In 2010, the university completed an $800 million project to renew, rebuild and enhance our campuses. The result is a unique blend of heritage buildings, modern architecture and landscaping.

THE SCHOOL OF INFORMATION TECHNOLOGIES
As part of the recent campus upgrade, the School of Information Technologies moved into its new purpose-built building with state-of-the-art facilities. The school is a key teaching and research institution of IT in Australia.

INTERNATIONAL RECOGNITION
Regardless of which international university ranking scheme you choose, the University of Sydney is up there with the best.

We’ve been independently ranked as first in NSW; in the top 10 in the Asia Pacific Region; and as one of the world’s top 40 universities.

QUALITY ASSURANCE
The University of Sydney works with other leading universities nationally and internationally for quality assurance in our teaching and research programs. Sydney is a member of:
- The Academic Consortium 21 (www.ac21.org)
- Association of Pacific Rim Universities (www.apru.org)
- Group of Eight (www.go8.edu.au)
- Worldwide Universities Network (www.wun.ac.uk)

At Sydney we take pride in benchmarking ourselves with the best internationally.

PROFESSIONAL ACCREDITATION
Our degrees are accredited by the Australian Computer Society (ACS), Australia’s national organisation for information and communication technology professionals. The ACS has reciprocal agreements with a number of overseas computer societies including:
- Association for Computing Machinery (USA)
- British Computer Society
- Canadian Information Processing Society
- Computer Society of India
- Computer Society of Pakistan
- Computer Society of South Africa
- Computer Society of Sri Lanka
- Hong Kong Computer Society
- Malaysia National Computer Confederation
- New Zealand Computer Society
- Singapore Computer Society

Upon graduation you’ll be recognised, nationally and internationally, as an IT professional.
WORKING WITH INDUSTRY

Our students and staff are actively working with organisations to enhance technology and to improve business and industry productivity.

Several of these projects received competitive funding from the Australian government to enable us to find solutions to current business problems. For example, we work with Capital Markets Cooperative Research Centre (www.cmcrc.com); Smart Services Cooperative Research Centre (www.smartservicescrc.com.au); and National ICT Australia (NICTA) (www.nicta.com.au).

Our staff have also been invited to provide consultancy services for organisations such as the Australian Securities and Investments Commission, National e-Health Transition Authority, NSW Breast Cancer Institute, the World Health Organisation and the New Zealand Ministry of Health.

Some industry projects are based on long term collaborative arrangements where our staff work on ways of improving existing technology in organisations such as the Royal Prince Alfred Hospital, Family Medical Research Centre, and the National Centre for Classification in Health.

On other occasions our staff have commercialised their research such that industry can benefit from our discoveries. At the University of Sydney we collaborate with industry ensuring our technological breakthroughs are relevant and impactful.

STAYING RELEVANT IN A CHANGING BUSINESS ENVIRONMENT

Business and industry practices are continually changing, and our course content is regularly updated to reflect developments in professional practice. The School of Information Technologies’ external advisory board meets regularly to provide input into our courses and degrees.

Companies represented on the external advisory board have included: Accenture Australia; Australian Centre for Advanced Computing and Communications; Australian Computer Society Foundation; Google Australia; Foundation Technology Services; IBM Software Labs India; Imagine Essential Services; Macquarie Bank; Microsoft Research Asia; and NICTA.

At Sydney you’ll be educated to address the current and future needs of businesses.
POSTGRADUATE COURSEWORK PROGRAMS
The School of Information Technologies offers three distinct postgraduate programs that are tailored for your specific stage in your professional career.

The **Information Technology** program is designed for IT professionals who want to update their skills and/or acquire expertise in a new area of IT.

The **Information Technology Management** program is designed for technically-skilled graduates who have moved into management and are seeking business and people skills to complement their technical expertise.

The Information Technology and Information Technology Management programs are articulated with all study in the certificate and diploma programs. Units completed within the certificate and diploma programs can be credited to their respective masters programs, in accordance with the degree rules.

The **Graduate Diploma in Computing** is designed for people with a non-IT background, who wish to acquire computing skills to either move into the IT industry or enhance their existing professional skills.

FACE-TO-FACE LEARNING
We believe that the best learning outcomes are achieved through face-to-face learning.

Having an expert personally structure, pace and guide you through the material provides a unique learning environment.

All our courses have a seminar and a supervised computing laboratory component – a minimum of 3 hours instruction per course per week. Of course, after class you can collaborate with your peers electronically to further your learning.

At Sydney we don’t just provide you with the teaching materials, we educate you in a structured learning environment.

AN INTERNATIONAL CLASSROOM: NETWORKING GLOBALLY
Our students come from around the world and you’ll have the opportunity to expand your professional network globally through the professionals you will meet during the course of your studies. After you graduate, you can continue to expand your list of contacts through our alumni association and its social events, or join the social-network groups for alumni on LinkedIn or Facebook.

WE PROVIDE THE TECHNOLOGY
At the School of Information Technologies we provide you with all of the computing equipment you will need to complete your studies. Our building is purpose built to accommodate the ICT needs of today and the future. We will provide you with 24/7 access to a computing laboratory dedicated to postgraduate coursework students. We also have five purpose built specialised research laboratories which students may access depending on their study requirements.

Our specialised research labs include:
- **Experimental Research Laboratory** - 20 powerful, networked workstations with additional facilities for hosting experiments in which subjects can carry out experimental tasks under controlled conditions.
- **Grid Lab** - High performance computers and network infrastructure for experiments in grid computing, the next revolution in internet and distributed computing technology.
- **Multimedia Lab** - A professional studio for developing video and audio presentations, available for both research and commercial use.
- **Pervasive Computing Lab** - Used to investigate computing systems of the future where the user interface and computing power is ubiquitous.
- **Usability Lab** - State-of-the-art eye-tracking facilities for evaluating user interfaces and understanding how people interact with novel technologies.
- **Visualisation and High-Performance Computing Laboratory (ViSLAB)** - The leading site in Australia for advanced visualisation and computing.

TEACHING EXCELLENCE
The School of Information Technologies is a leader in innovative IT teaching in Australia. Our commitment to teaching excellence has been recognised with several awards, most recently:
- Dean’s Award for Excellence in Tutoring - Dr Jason Chan
- Vice-Chancellors’ Award for Outstanding Teaching - Dr James Curran and Dr Tara Murphy
- Faculty Award for Outstanding Teaching - Dr James Curran, Dr Irena Koprinska and Dr Tara Murphy
- Computing Research and Education Association of Australasia (CORE) Teaching Award - Professor Judy Kay

The School of Information Technologies is dedicated to providing you with quality teaching staff.
<table>
<thead>
<tr>
<th>WHERE YOU ARE NOW</th>
<th>YOUR POSTGRADUATE OPTIONS</th>
<th>WHERE CAN IT TAKE YOU?</th>
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<tr>
<td>IT BACHELOR</td>
<td>MASTER OF INFORMATION TECHNOLOGY</td>
<td>IT PROFESSIONAL</td>
</tr>
<tr>
<td></td>
<td>GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY</td>
<td>POSTGRADUATE RESEARCH DEGREES</td>
</tr>
<tr>
<td></td>
<td>GRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY</td>
<td></td>
</tr>
<tr>
<td>IT BACHELOR (OR SCIENCE/ENG)+</td>
<td>MASTER OF IT MANAGEMENT</td>
<td>IT PROFESSIONAL</td>
</tr>
<tr>
<td>AT LEAST 2 YEARS IT INDUSTRY EXPERIENCE</td>
<td>GRADUATE DIPLOMA IN IT MANAGEMENT</td>
<td>POSTGRADUATE RESEARCH DEGREES</td>
</tr>
<tr>
<td></td>
<td>GRADUATE CERTIFICATE IN IT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>NON-IT BACHELOR</td>
<td>GRADUATE DIPLOMA IN COMPUTING</td>
<td>MASTER OF IT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IT PROFESSIONAL</td>
</tr>
<tr>
<td>NON-IT BACHELOR + AT LEAST 5 YEARS</td>
<td>MASTER OF IT MANAGEMENT</td>
<td>IT PROFESSIONAL</td>
</tr>
<tr>
<td>IT INDUSTRY EXPERIENCE</td>
<td></td>
<td>POSTGRADUATE RESEARCH DEGREES</td>
</tr>
</tbody>
</table>
INFORMATION TECHNOLOGY

PROGRAM AIMS
This program is for IT professionals who are seeking to extend and update their knowledge on advanced computing subjects. The program provides an excellent retraining opportunity for professionals who wish to move to a new IT speciality. Students may choose to specialise in one of the following areas: computer networks; multimedia technology; database management systems; software engineering; computer science; telecommunications engineering; business information systems; project management; or health informatics. An overview of these majors is on page 12.

For students considering a research degree, the Master of Information Technology has a research path option that can be used to gain admission to a Master of Philosophy or a Doctor of Philosophy.

GRADUATE ATTRIBUTES
The School of Information Technologies offers three distinct information technology programs.

Upon completion of the Graduate Certificate in Information Technology, graduates will possess a practical and theoretical background in some of the basic aspects of IT. This can be supplemented and extended upon completion of the Graduate Diploma, and extended further to include research and practical skills by completion of the masters degree.

Upon completion of the Master of Information Technology, graduates will have a sound knowledge base in several contemporary topics within IT. They may also have the opportunity of applying this knowledge to the establishment and implementation of a business ready system.

The Master of Information Technology is recognised as an industry relevant award, and it has been accredited by the Australian Computer Society (ACS) as a Professional Level course in information technology.

MASTER OF INFORMATION TECHNOLOGY DEGREE STRUCTURE

<table>
<thead>
<tr>
<th>MAJOR</th>
<th>COMPUTER SCIENCE</th>
<th>COMPUTER NETWORKS</th>
<th>MULTIMEDIA TECHNOLOGY</th>
<th>DATABASE MANAGEMENT</th>
<th>BUSINESS INFORMATION SYSTEMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational units</td>
<td>Algorithms</td>
<td>Internet Protocols</td>
<td>Digital Media Fundamentals</td>
<td>Database Management Systems</td>
<td>Introduction to Information Systems</td>
</tr>
<tr>
<td>Specialist units</td>
<td>Computational Geometry</td>
<td>Advanced Network Technologies</td>
<td>Multimedia Storage, Retrieval and Delivery</td>
<td>Advanced Data Models</td>
<td>Service Science Management and Engineering</td>
</tr>
<tr>
<td>Information Visualisation</td>
<td>Mobile Networks</td>
<td>Multimedia Authoring and Production</td>
<td>Knowledge Discovery and Data Mining</td>
<td>Information Security Management</td>
<td></td>
</tr>
<tr>
<td>Pervasive Computing</td>
<td>Parallel &amp; Distributed Computing</td>
<td>Image Processing &amp; Computer Vision</td>
<td>Multimedia Storage, Retrieval and Delivery</td>
<td>Business Process Integration</td>
<td></td>
</tr>
<tr>
<td>Statistical Natural Language Processing</td>
<td>Pervasive Computing</td>
<td>Any Computer Science unit</td>
<td>Statistical Natural Language Processing</td>
<td>Strategic Information &amp; Knowledge Management</td>
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<tr>
<td>Computational Methods for Life Sciences</td>
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</tbody>
</table>

Please note: There is one mandatory unit of study that must be taken by all Master of Information Technology students: Professional Practice in IT. Students are required to take a total of 8 units of study (48 credit points) to satisfactorily complete this degree.

Students in any major with a credit average in their first 24 credit points can undertake an Information Technology Project.
ADMISSION REQUIREMENTS

Master of Information Technology
To apply for entry, you must:
– hold a bachelor’s degree with credit average (or equivalent) results in a major sequence in any aspect of IT; OR
– hold a Bachelor of Engineering with credit average (or equivalent) results in a major sequence in computer engineering, software engineering or telecommunications engineering; OR
– have completed the Graduate Diploma in Information Technology at the University of Sydney with credit average results or above; OR
– have satisfactorily completed the Graduate Diploma in Computing at the University of Sydney.

Graduate Diploma in Information Technology
To apply for entry, you must:
– hold a bachelor’s degree with substantial study of a relevant field of information technology; OR
– hold a Bachelor of Engineering, Software Engineering or Telecommunications Engineering; OR
– be able to offer evidence of recognised prior learning which is considered to demonstrate the knowledge and aptitude required to undertake this course.

Graduate Certificate in Information Technology
To apply for entry, you must:
– hold a bachelor’s degree with substantial study of a relevant field of information technology; OR
– a Bachelor of Engineering, Software Engineering or Telecommunications Engineering; OR
– have completed the Graduate Certificate in IT at the University of Sydney with credit average results or above.

COURSE DURATION

Master of Information Technology:
2 semesters full-time or part-time equivalent.

Graduate Diploma in Information Technology:
1 semester full-time and 1 semester part-time, or part-time equivalent.

Graduate Certificate in Information Technology:
1 semester full-time or part-time equivalent.

Mid-year entry is available. Classes are generally held in the evening between 6:00 and 9:00pm to accommodate professionals who are employed during the day.

SOFTWARE ENGINEERING

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Enterprise-Scale Software Architecture</td>
</tr>
<tr>
<td>E-Commerce Technology</td>
</tr>
<tr>
<td>Object-Oriented Application Frameworks</td>
</tr>
<tr>
<td>Computer &amp; Network Security</td>
</tr>
<tr>
<td>Embedded Systems Programming</td>
</tr>
<tr>
<td>Any Computer Science unit</td>
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</tbody>
</table>

PROJECT MANAGEMENT

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Java</td>
</tr>
<tr>
<td>System Analysis and Modelling</td>
</tr>
<tr>
<td>Project Management in IT</td>
</tr>
<tr>
<td>Quantitative Methods in Project Management</td>
</tr>
<tr>
<td>Service Science Management and Engineering</td>
</tr>
<tr>
<td>Enterprise-Scale Software Architecture</td>
</tr>
<tr>
<td>Health Informatics Applications</td>
</tr>
<tr>
<td>Health Care Systems</td>
</tr>
<tr>
<td>Integration of Health Systems</td>
</tr>
<tr>
<td>Project Management in IT</td>
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</tbody>
</table>

HEALTH INFORMATICS

<table>
<thead>
<tr>
<th>Course</th>
</tr>
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<tbody>
<tr>
<td>Introduction to Information Systems</td>
</tr>
<tr>
<td>Internet Protocols</td>
</tr>
<tr>
<td>Advanced Network Technologies</td>
</tr>
<tr>
<td>IT in Biomedicine</td>
</tr>
<tr>
<td>Computational Methods for Life Sciences</td>
</tr>
<tr>
<td>Optical Communication Systems</td>
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<tr>
<td>Optical Networks</td>
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</table>

TELECOMMUNICATIONS ENGINEERING

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Enterprise-Scale Software Architecture</td>
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<tr>
<td>Optical Networks</td>
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<tr>
<td>Mobile Networks</td>
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<tr>
<td>Error Control Coding</td>
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<tr>
<td>Optical Communication Systems</td>
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<tr>
<td>Satellite Communication Systems</td>
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</tbody>
</table>
INFO

PROGRAM AIMS
This program has been designed for technically-skilled graduates who are seeking career advancement on the “management ladder” of IT organisations. The focus of the program is on a thorough and detailed understanding of the management of resources such as projects, people, knowledge, and technologies in the distinctive way needed within IT organisations.

The program is specifically designed for graduates who are currently moving along, or seeking to move along, a career path through managerial roles such as project manager, program manager, general manager of operations, chief information officer or chief technology officer.

The program provides a selection of postgraduate units of study covering a core set of IT management topics. Students can also choose from a number of elective topics to add depth or breadth to their studies.

For students considering a research degree, the Master of IT Management has a research path option that can be used to gain admission to a Master of Philosophy or a Doctor of Philosophy.

GRADUATE ATTRIBUTES
The School of Information Technologies offers three distinct information technology management programs.

Upon completion of the Master of IT Management, graduates will have a sound knowledge base in several contemporary topics within information technology management. The program also helps students in the development of important non-technical skills such as project management, team communication, and analytical thinking. They may also have the opportunity of applying this knowledge to the completion of a small research project.

The Master of IT Management has been developed under the guidelines of the Australian Computer Society (ACS), and it has been accredited by the ACS as a Professional level course in information technology.

ADMISSION REQUIREMENTS

Master of IT Management
To apply for entry, you must:
- hold a bachelor’s degree with credit average results or better and should have a minimum of two years experience in the IT industry; OR
- have completed the Graduate Diploma in IT Management at the University of Sydney with credit average results or above; OR
- have satisfactorily completed the Graduate Certificate in IT Management at the University of Sydney.

Graduate Diploma in IT Management
To apply for entry, you must:
- hold a bachelor’s degree and have at least three years experience in the IT industry; OR
- have completed the Graduate Certificate in IT Management at the University of Sydney with credit average results or above.

Please note, for entry to all of the IT management programs the bachelor’s degree does not have to be an IT degree, but it should contain a significant amount of technical subjects related to computing, as typically found in an IT, science, or engineering degree. If you hold a bachelor’s degree in other areas, such as finance, commerce, health sciences or social sciences, and have completed relevant IT subjects you will also be eligible.

If you hold a bachelor’s degree in any discipline and have worked in information technology for more than five years, you are also eligible.

COURSE DURATION

Master of IT Management: 2 semesters full-time or part-time equivalent.
Graduate Diploma in IT Management: 1 semester full-time and 1 semester part-time, or part-time equivalent.
Graduate Certificate in IT Management: 1 semester full-time or part-time equivalent.

Mid-year entry is available. Classes are generally held in the evening between 6:00 and 9:00pm to accommodate professionals who are employed during the day.
“IT is a growing and ever-transforming area that provides incredible opportunities to create, to dream big, and put those dreams into practice.”

LEE KYONZE
MITM

MASTER OF IT MANAGEMENT DEGREE STRUCTURE
Students are required to take a total of 8 units of study (48 credit points) to satisfactorily complete this degree.

<table>
<thead>
<tr>
<th>CORE UNITS (MANDATORY)</th>
<th>CORE UNITS (ADDITIONAL - AT LEAST TWO)</th>
<th>ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Practice in IT</td>
<td>Service Science Management and Engineering</td>
<td>Information Security Management</td>
</tr>
<tr>
<td>Information Security Management</td>
<td>Introduction to Information Systems</td>
<td>Understanding IT Innovations</td>
</tr>
<tr>
<td>Knowledge Management Systems</td>
<td>Project Management in IT</td>
<td>Project Planning &amp; Control</td>
</tr>
<tr>
<td>Object-Oriented Design</td>
<td>Database Management Systems</td>
<td>Strategic Delivery of Change</td>
</tr>
<tr>
<td>Digital Media Fundamentals</td>
<td>Internet Protocols</td>
<td>Quantitative Methods in Project Management</td>
</tr>
<tr>
<td>Computer &amp; Network Organisation</td>
<td>Economics of e-Commerce</td>
<td>Business Process Integration</td>
</tr>
<tr>
<td>Business Process Integration</td>
<td>Risk Management &amp; BIS Assurance</td>
<td>Technology-Enabled Business Innovation</td>
</tr>
<tr>
<td>Risk Management &amp; BIS Assurance</td>
<td>Technology-Enabled Business Innovation</td>
<td>Strategic Information &amp; Knowledge Management</td>
</tr>
<tr>
<td>Technology-Enabled Business Innovation</td>
<td>Strategic Information &amp; Knowledge Management</td>
<td>Business Intelligence Systems</td>
</tr>
</tbody>
</table>
PROGRAM AIMS
This program is for graduates in areas other than IT who are seeking a career change, either by moving into the IT industry or by enhancing their existing career with IT qualifications. The Graduate Diploma in Computing provides grounding in essential IT topics. For many students this provides the required amount of IT skills to enhance their existing career. It also prepares students for admission to the Master of Information Technology.

GRADUATE ATTRIBUTES
Upon completion of the Graduate Diploma in Computing, graduates will be equipped with a basic knowledge of IT which can be developed with further study, or be the foundation for a new career in IT. Subjects include algorithms, data structures, programming and networking, as well as an introduction to system analysis and information systems.

The Graduate Diploma in Computing has been accredited by the Australian Computer Society (ACS) at the associate level.

ADMISSION REQUIREMENTS
To apply for entry, you must:
– hold a bachelor’s degree, with a credit average (or equivalent) in a discipline other than IT.
– students are assumed to possess significant numeracy skills such as those found in a science or engineering degree.
– if you hold a bachelor’s degree with a credit average (or equivalent) in other areas and have completed relevant subjects with a mathematical foundation you are eligible.
– if you hold a bachelor’s degree with a credit average (or equivalent) in any discipline and have worked in information technology for more than five years you are also eligible.

COURSE DURATION
Two semesters full-time or part-time equivalent.

Mid-year entry is available.

Classes are generally held in the evening between 6:00 and 9:00pm to accommodate professionals who are employed during the day.

UNITS OF STUDY
Students are required to take all of the following units of study to satisfactorily complete this program.

Algorithms
Software Construction
Computer & Network Organisation
Introduction to Information Systems
Object-Oriented Design
Software Development in Java
Internet Protocols
Digital Media Fundamentals
“The Graduate Diploma in Computing is great for people who don’t have a computing background but want to move into IT. I studied English and was planning a career as an interpreter, but in my final year I decided to follow a long-held interest and pursue a career in computing. I have just started my PhD in multimedia IT.”
The Master of Information Technology offers nine distinct majors to choose from. This allows students to study one specific area of IT in depth, while being able to combine subjects from related majors, for example Software Engineering with IT Project Management and one database topic. Students can study subjects from different majors; however when graduating they choose one major to be listed on their testamur.

<table>
<thead>
<tr>
<th>AREA</th>
<th>MAJORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOFTWARE</td>
<td>The core of the Master of Information Technology program are five software-related majors that cover all technical aspects of information technology and computer science.</td>
</tr>
<tr>
<td></td>
<td>SOFTWARE ENGINEERING</td>
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<td></td>
<td>DATABASE MANAGEMENT SYSTEMS</td>
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<td></td>
<td>MULTIMEDIA TECHNOLOGY</td>
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<tr>
<td></td>
<td>COMPUTER NETWORKS</td>
</tr>
<tr>
<td></td>
<td>COMPUTER SCIENCE</td>
</tr>
<tr>
<td>BUSINESS</td>
<td>The business-oriented majors complement the technical majors by offering a variety of business information systems and project management subjects.</td>
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<tr>
<td></td>
<td>BUSINESS INFORMATION SYSTEMS</td>
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<tr>
<td></td>
<td>IT PROJECT MANAGEMENT</td>
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<tr>
<td>ENGINEERING</td>
<td>This major includes the study of more hardware-oriented subjects in the areas of telecommunications.</td>
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<tr>
<td></td>
<td>TELECOMMUNICATIONS ENGINEERING</td>
</tr>
<tr>
<td>HEALTH</td>
<td>This major offers a variety of health informatics subjects, recognising the growing importance of information technology in modern health services.</td>
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<tr>
<td></td>
<td>HEALTH INFORMATICS</td>
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</tbody>
</table>
DEGREES PLUS

There is a strong demand for postgraduate programs that lead to multiple awards and/or multidisciplinary qualifications. As such the University of Sydney has developed a range of two year full-time postgraduate IT packages.

MASTER OF INFORMATION TECHNOLOGY + MASTER OF IT MANAGEMENT

Students can combine the Master of Information Technology with the Master of IT Management into a two year program that covers both the technical and managerial aspects of IT, and graduate with two masters degrees.

GRADUATE DIPLOMA IN COMPUTING + MASTER OF INFORMATION TECHNOLOGY

For graduates from other disciplines who want to convert to the field of IT, the packaging of the one year Graduate Diploma in Computing and the Master of Information Technology provides a two year full-time structured program of IT studies leading to an ACS professional level qualification.

RESEARCH PATH

The research path is a unique opportunity available to postgraduate masters students in the school. Students participating in the research path option spend a significant portion of their degree working on an IT research project and acquiring research related skills. Satisfactory completion of this option allows you to apply for a research degree, Master of Philosophy or Doctor of Philosophy. Eligibility for the research path option is conditional on academic performance, typically a distinction average or above in the first semester of full-time study or equivalent. If you’re interested in a career in information technology research, then you should consider the Research Path option.

RESEARCH PATH + MASTER OF PHILOSOPHY

This is a two year program consisting of an Master of Information Technology or Master of IT Management (one year) and a Master of Philosophy (one year). Students with a computing/information technology degree and a distinction average, may apply for this package. Students enrolled in the degree, must also satisfy the following progression requirements:

1. Maintenance of a distinction average for the first 24 credit points of their Master of Information Technology or Master of IT Management degree;
2. Enrol in an 18 credit point research methods course, and maintain achieve a minimum weighted average mark of 75% for the degree.
3. Satisfactorily complete a thesis for their Master of Philosophy.

COMBINING YOUR STUDIES WITH APPLIED SCIENCE, ENGINEERING SCIENCE, DESIGN SCIENCE OR HEALTH SCIENCE

The Master of Information Technology and Master of IT Management degrees can also be packaged with courses in applied science, engineering, health science and design science to provide a comprehensive multi-disciplinary two year study option. Students need to meet the admission requirements for both degrees to be eligible for the package.

FURTHER STUDY

The University of Sydney is a research intensive university and has a strong track record of technology transfer and commercialisation. Research activities in the school focus on algorithmics and applications, enterprise computing, human-centred computing, and IT applications in health care. If you would like to be part of the university’s IT research community, you should consider applying for a research degree. Students completing a research degree undertake supervised research and submit an original written thesis at the completion of their studies.

The Master of Philosophy (MPhil) is a one year full-time program or part-time equivalent. The minimum entry requirement is:

- a first or second class honours degree or equivalent; OR
- the equivalent of a weighted average mark of 75% in a masters coursework degree with a research component.
- evidence of research potential.

The Doctor of Philosophy (PhD) is a three year full-time degree or part-time equivalent. The entry requirements are:

- A distinction average (i.e. 75%) in an honours equivalent to an Australian Bachelors qualification, with a research component.
- Strong evidence of research ability through research projects, preferably related to the proposed research area. (optional)
- Evidence of research outputs such as publications, products or patents. (optional)
- Relevant professional experience. (optional)
SCHOLARSHIPS, PRIZES AND INTERNSHIPS

SCHOLARSHIPS
The School offers each year a number of entry scholarships for students commencing in the Master of Information Technology or the Master of Information Technology Management degree. These scholarships are awarded on the basis of academic merit as indicated by the applicant’s performance in their undergraduate studies, and are worth $5000 each.

A limited number of one semester half-fee scholarships are also available each semester to students commencing their final semester of study in the Master of Information Technology and the Master of Information Technology Management programs. The scholarships are awarded on the basis of academic merit in the previous semester of full-time study, and provide a 50% tuition fee waiver for one semester.

PRIZES
Research-path students have the opportunity to win prizes at the annual Engineering Sydney Research Conversazione event.

The Research Conversazione is an annual showcase of the current research activities and best student projects in the Faculty of Engineering and Information Technologies, and projects are judged by professionals from participating IT companies.

POSTGRADUATE IT PLACEMENT PROJECT SCHOLARSHIP (PIPPS)
PIPPS scholarships are available to eligible enrolled students. Scholarship holders are placed with an industry partner for approximately six months. During this period they complete a research project/thesis which is related to their industrial placement. PIPPS students are jointly supervised by the school and in the workplace. The internship is a full-time commitment of approximately six months, and students receive credit for their participation. At the completion of the internship students must present their work for assessment.

LIFELONG CONNECTIONS
The University of Sydney IT Alumni Association (USITAA) was formed in 2008.

The School of Information Technologies (formerly the Basser Department of Computer Science) at the University of Sydney was established in 1968, the first computer science department at a university in Australia. In the past 50 years the school has helped advance IT in Australia through research and education, with over 4,000 students graduating from faculties across the university having studied IT.

USITAA was established to develop relationships between graduates and the school, and to help alumni stay in touch with the university, and with each other.

All graduates and staff of the School of Information Technologies are members of USITAA. Current students are associate members.

USITAA works with the school on a number of initiatives and activities for alumni. Some of our activities include:
- SoIT’s News - a quarterly newsletter for alumni and students.
- Seminars and discussion forums
- Annual Graduation Dinner and End Of Year Functions for staff, students and alumni.
- University outreach activities

Future plans for the association include mentoring programs and reunions.

Find out more: sydney.edu.au/it/alumni
“IT means everything - no one today can live without it. I hope to make a positive contribution to the world, and being awarded a half-fee scholarship has helped me to continue my studies and to fulfil my potential.”
LOCAL STUDENTS
Please forward a completed application form with all supporting documentation to:
Ms Lesley Vanderkwaast
Manager
Graduate School of Engineering & Information Technologies
Link Building (J13)
The University of Sydney NSW 2006
T +61 2 9351 8719
F +61 2 9351 7082
E postgraduate.engineering@sydney.edu.au
Application forms are available from sydney.edu.au/engineering/gse

INTERNATIONAL STUDENTS
Please forward a completed application form with all supporting documentation to:
International Office
Level 4
Jane Foss Russell Building (G02)
The University of Sydney
NSW 2006, AUSTRALIA
T +61 2 8627 8300
F +61 2 8627 8387
E io.info@sydney.edu.au
Domestic free call: 1800 899 376
Application forms are available from sydney.edu.au/engineering/gse

NOT YET GRADUATED?
If you still have to complete one semester of your current course of study, you should include transcripts up until your final semester, and official documentation from your institution stating that you will finish at the end of the semester, and the name of the degree you will be awarded. If you have completed your course of study but have not been awarded your testamur, you should include official documentation from your institution stating the name of the degree you have completed and the date of completion.

HOW TO APPLY
APPLICATIONS CLOSE

| SEMESTER 1 2012 | 30 NOVEMBER 2011 | 31 OCTOBER 2011 | 5 MARCH 2012 |
| SEMESTER 2 2012 | 31 MAY 2012 | 30 APRIL 2012 | 30 JULY 2012 |

Late applications will be considered, however, priority will be given to applications received on time.
### DEGREE SUMMARY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>CRICOS Code</th>
<th>Duration (Full-Time)</th>
<th>Entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Diploma in Computing</td>
<td>HF041</td>
<td>050959G</td>
<td>1 YEAR (48 cp)</td>
</tr>
<tr>
<td>Graduate Certificate in IT</td>
<td>HG025</td>
<td>N/A</td>
<td>0.5 YEAR (24 cp)</td>
</tr>
<tr>
<td>Graduate Diploma in IT</td>
<td>HF042</td>
<td>039123A</td>
<td>1 YEAR (36 cp)</td>
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<tr>
<td>Master of IT</td>
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<td>022312B</td>
<td>1 YEAR (48 cp)</td>
</tr>
<tr>
<td>Graduate Certificate in IT Management</td>
<td>HG026</td>
<td>N/A</td>
<td>0.5 YEAR (24 cp)</td>
</tr>
<tr>
<td>Graduate Diploma in IT Management</td>
<td>HF043</td>
<td>055185J</td>
<td>1 YEAR (36 cp)</td>
</tr>
<tr>
<td>Master of IT Management</td>
<td>HC050</td>
<td>055186G</td>
<td>1 YEAR (48 cp)</td>
</tr>
</tbody>
</table>

### TUITION FEES

For tuition fee information, please visit the Faculty of Engineering and IT website: sydney.edu.au/engineering/gse

### ENGLISH LANGUAGE REQUIREMENTS

If English is not your first language you must demonstrate English language proficiency before admission can be confirmed. Applicants who are Australian permanent residents or international students whose qualification was obtained from a university in a country where English is not the official language of instruction will need to take an English proficiency test. You should retake the English proficiency test if you last took the test more than two years ago. The following are the acceptable English language qualifications for the School of Information Technologies:

<table>
<thead>
<tr>
<th>IELTS (ACADEMIC)</th>
<th>PAPER-BASED TOEFL</th>
<th>COMPUTER-BASED TOEFL (CBT)</th>
<th>INTERNET-BASED TOEFL (iBT)</th>
<th>CULT</th>
<th>CAMBRIDGE CERTIFICATE PROFICIENCY IN ENGLISH</th>
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<td>Overall Minimum</td>
<td>Overall Written English</td>
<td>Overall Essay</td>
<td>Overall Written Minimum</td>
<td>All Others</td>
<td>Overall Written Minimum</td>
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<tr>
<td>6.5</td>
<td>6</td>
<td>577</td>
<td>4.5</td>
<td>233</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**DISCLAIMER:** This brochure presents general course information only. Students should always refer to the Faculty of Engineering and Information Technologies Handbook for specific information on subject descriptions and degree resolutions.
