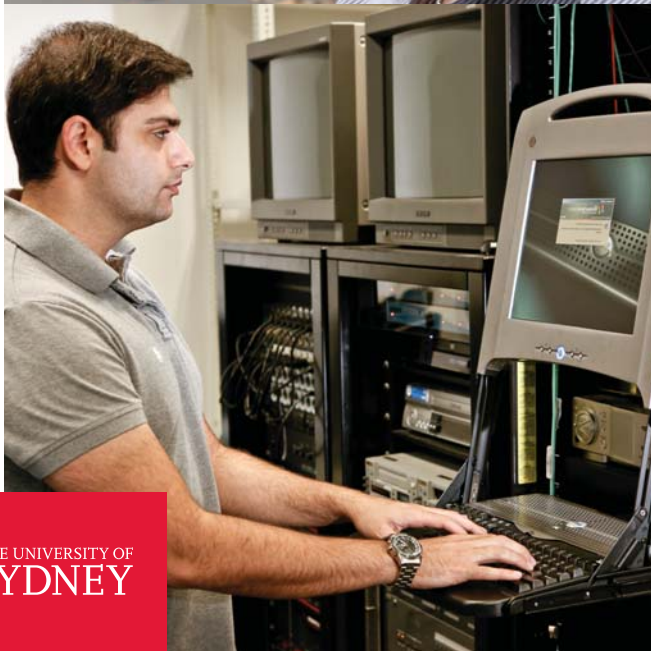


YOUR GUIDE TO  
POSTGRADUATE COURSEWORK  
STUDY IN  
**INFORMATION TECHNOLOGIES**  
2012



THE UNIVERSITY OF  
**SYDNEY**

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## IMPORTANT DATES

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### 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

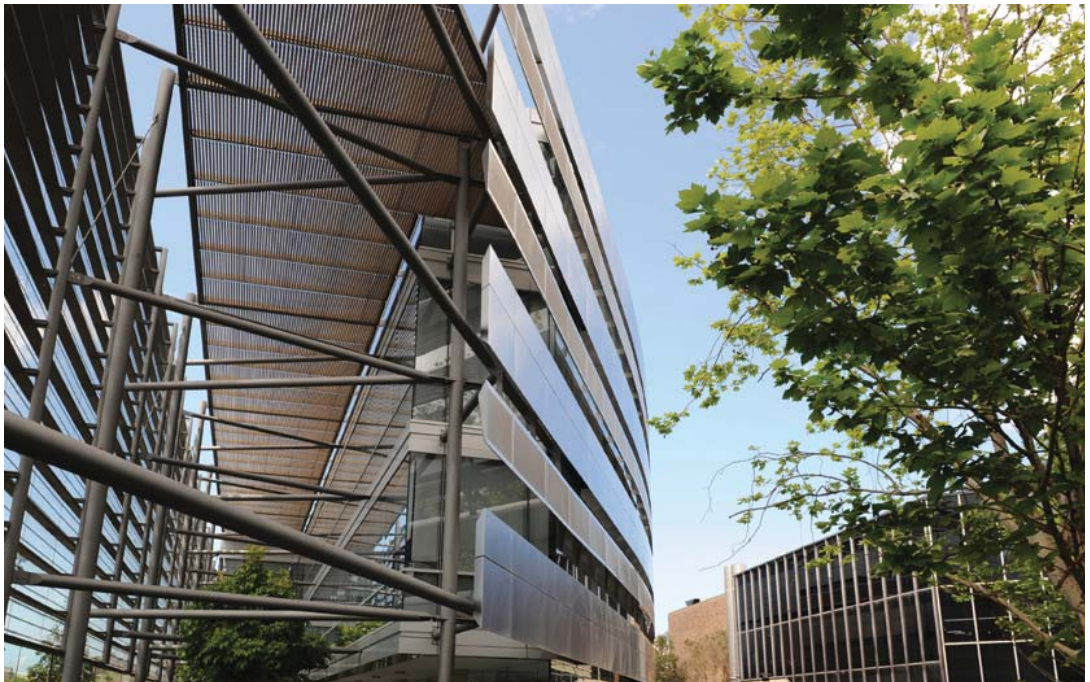
### SUMMER SCHOOL

**3 JANUARY**  
LECTURES BEGIN

**2 MARCH**  
SUMMER SCHOOL ENDS

# WELCOME

## INFORMATION TECHNOLOGIES



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](http://www.ac21.org))

Association of Pacific Rim Universities ([www.apru.org](http://www.apru.org))

Group of Eight ([www.go8.edu.au](http://www.go8.edu.au))

Worldwide Universities Network ([www.wun.ac.uk](http://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.



“I chose Sydney because I wanted to get focused training and advanced information on IT. I believe that this will give me a professional advantage.”

RACHEL FEINER  
MIT

### 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.cmcr.com](http://www.cmcr.com)); Smart Services Cooperative Research Centre ([www.smartservicescra.com.au](http://www.smartservicescra.com.au)); and National ICT Australia (NICTA) ([www.nicta.com.au](http://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.

## SYDNEY LEARNING

### 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.



WHERE YOU ARE NOW	YOUR POSTGRADUATE OPTIONS	WHERE CAN IT TAKE YOU?
IT BACHELOR	MASTER OF INFORMATION TECHNOLOGY	IT PROFESSIONAL
	GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY	POSTGRADUATE RESEARCH DEGREES
	GRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY	
IT BACHELOR (OR SCIENCE/ENG)+ AT LEAST 2 YEARS IT INDUSTRY EXPERIENCE	MASTER OF IT MANAGEMENT	IT PROFESSIONAL
	GRADUATE DIPLOMA IN IT MANAGEMENT	POSTGRADUATE RESEARCH DEGREES
	GRADUATE CERTIFICATE IN IT MANAGEMENT	
NON-IT BACHELOR	GRADUATE DIPLOMA IN COMPUTING	MASTER OF IT
		IT PROFESSIONAL
NON-IT BACHELOR + AT LEAST 5 YEARS IT INDUSTRY EXPERIENCE	MASTER OF IT MANAGEMENT	IT PROFESSIONAL
		POSTGRADUATE RESEARCH DEGREES

# 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

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

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 with a major sequence of study in computer 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.

### 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
- be able to offer evidence of recognised prior learning which is considered to demonstrate the knowledge and aptitude required to undertake this course.

## 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		PROJECT MANAGEMENT	HEALTH INFORMATICS	TELECOMMUNICATIONS ENGINEERING
OO Design	Introduction to Java	System Analysis and Modelling	Introduction to Information Systems	Internet Protocols
Enterprise-Scale Software Architecture		Project Management in IT	Introduction to Health Informatics	Advanced Network Technologies
E-Commerce Technology		Quantitative Methods in Project Management	IT in Biomedicine	Mobile Networks
Object-Oriented Application Frameworks		Service Science Management and Engineering	Computational Methods for Life Sciences	Error Control Coding
Computer & Network Security		Enterprise-Scale Software Architecture	Health Informatics Applications	Optical Communication Systems
Embedded Systems Programming			Health Care Systems	Satellite Communication Systems
Any Computer Science unit			Integration of Health Systems	Optical Networks
			Project Management in IT	Wireless Engineering

# INFORMATION TECHNOLOGY MANAGEMENT

## 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 **Graduate Certificate in IT Management**, graduates will possess a practical and theoretical background in some of the basic aspects of information technology management. 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 program.

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 Diploma in Computing 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.

### Graduate Certificate in IT Management

To apply for entry, you must:

- hold a bachelor’s degree and have at least three years professional experience in the IT industry; OR
- be able to offer evidence of recognised prior learning which is considered to demonstrate the knowledge and aptitude required to undertake this course.

## 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.

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.



“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.

<b>CORE UNITS (MANDATORY)</b>	Professional Practice in IT	Service Science Management and Engineering	Understanding IT Innovations		
<b>CORE UNITS (ADDITIONAL - AT LEAST TWO)</b>	<b>Information Security Management</b>	<b>Introduction to Information Systems</b>	<b>Knowledge Management Systems</b>	<b>Project Management in IT</b>	<b>Information Technology Project</b>
<b>ELECTIVES</b>	Object-Oriented Design	Database Management Systems	Digital Media Fundamentals	Internet Protocols	Computer & Network Organisation
	Project Planning & Control	Strategic Delivery of Change	Quantitative Methods in Project Management	Economics of e-Commerce	Business Intelligence Systems
	Business Process Integration	Risk Management & BIS Assurance	Technology-Enabled Business Innovation	Strategic Information & Knowledge Management	

# GRADUATE DIPLOMA IN COMPUTING

## 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



A portrait of Genliang Guan, a young man with dark hair, wearing a white V-neck sweater with a dark stripe across the chest and a dark jacket. He is looking directly at the camera with a slight smile. The background is a plain, light-colored wall.

“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.”

**GENLIANG GUAN**  
PHD  
GDC (2008) MIT (2009)

## MAJORS

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.

AREA		MAJORS
SOFTWARE	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.	SOFTWARE ENGINEERING DATABASE MANAGEMENT SYSTEMS MULTIMEDIA TECHNOLOGY COMPUTER NETWORKS COMPUTER SCIENCE
BUSINESS	The business-oriented majors complement the technical majors by offering a variety of business information systems and project management subjects.	BUSINESS INFORMATION SYSTEMS IT PROJECT MANAGEMENT
ENGINEERING	This major includes the study of more hardware-oriented subjects in the areas of telecommunications.	TELECOMMUNICATIONS ENGINEERING
HEALTH	This major offers a variety of health informatics subjects, recognising the growing importance of information technology in modern health services.	HEALTH INFORMATICS

## DEGREES PLUS

There is a strong demand for postgraduate programs that lead to multiple awards and/or multi-disciplinary 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 project and a 6 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 1958, 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:

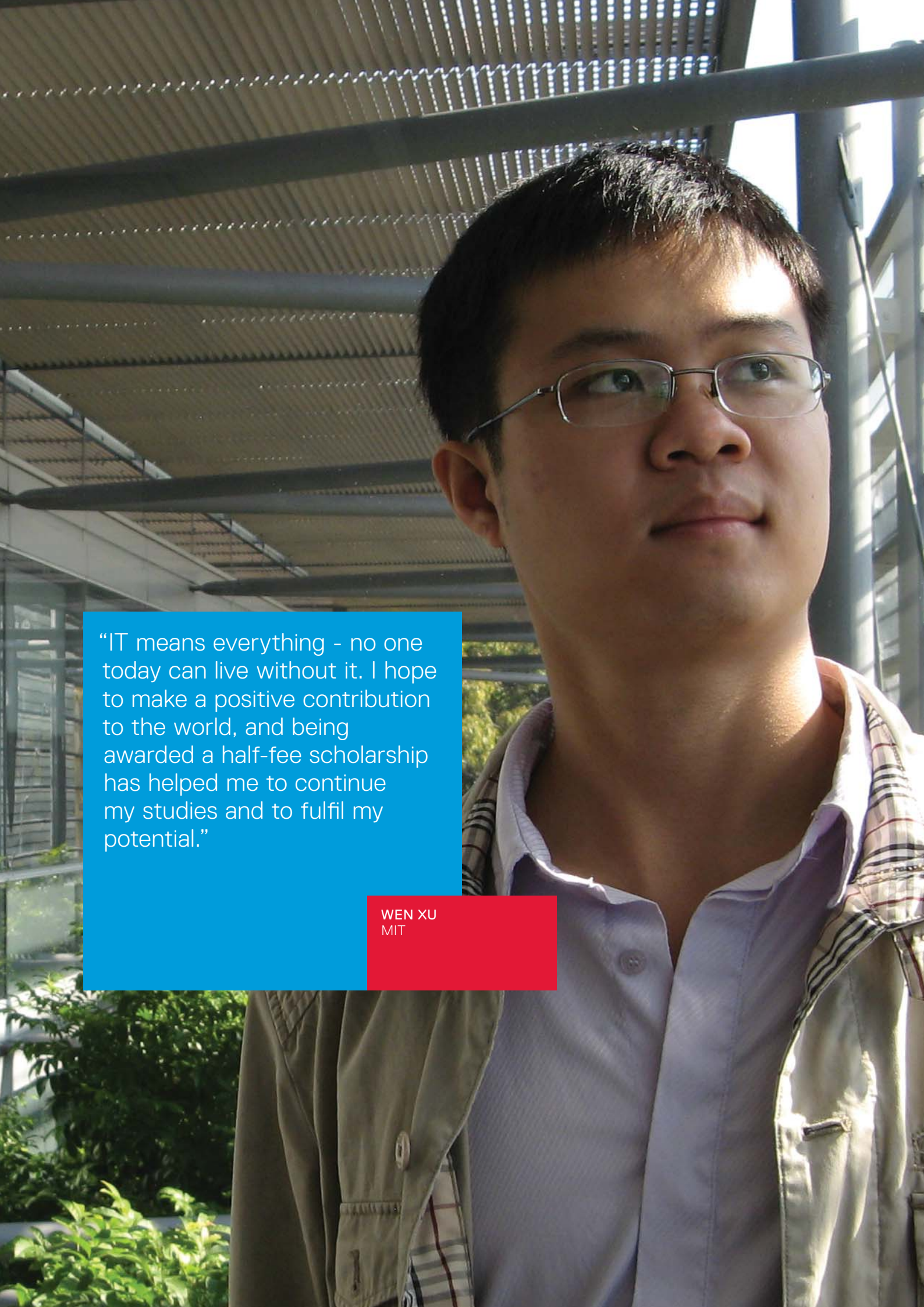
- SoIT's News - a quarterly newsletter for alumni and students.
- Seminars and discussion forums
- Annual Graduation Dinner and End Of Year Functions for staff, students and alumni.
- University outreach activities

Future plans for the association include mentoring programs and reunions.

Find out more:

[sydney.edu.au/it/alumni](http://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.”

WEN XU  
MIT

## HOW TO APPLY

### LOCAL STUDENTS

Please forward a completed application form with all supporting documentation to:

Ms Lesley Vanderkwast  
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](mailto:postgraduate.engineering@sydney.edu.au)

Application forms are available from  
[sydney.edu.au/engineering/gse](http://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](mailto:io.info@sydney.edu.au)

Domestic free call: 1800 899 376

Application forms are available from  
[sydney.edu.au/engineering/gse](http://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.

APPLICATIONS CLOSE			
	LOCAL STUDENTS & ON-SHORE INTERNATIONAL STUDENTS	OFF-SHORE INTERNATIONAL STUDENTS	SEMESTER COMMENCES
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.

# FURTHER INFORMATION

## DEGREE SUMMARY

	COURSE CODE	CRICOS CODE	DURATION (FULL-TIME)	ENTRY
Graduate Diploma in Computing	HF041	050959G	1 YEAR (48 cp)	MARCH AND JULY
Graduate Certificate in IT	HG025	N/A	0.5 YEAR (24 cp)	MARCH AND JULY
Graduate Diploma in IT	HF042	039123A	1 YEAR (36 cp)	MARCH AND JULY
Master of IT	HC049	022312B	1 YEAR (48 cp)	MARCH AND JULY
Graduate Certificate in IT Management	HG026	N/A	0.5 YEAR (24 cp)	MARCH AND JULY
Graduate Diploma in IT Management	HF043	055185J	1 YEAR (36 cp)	MARCH AND JULY
Master of IT Management	HC050	055186G	1 YEAR (48 cp)	MARCH AND JULY

## TUITION FEES

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

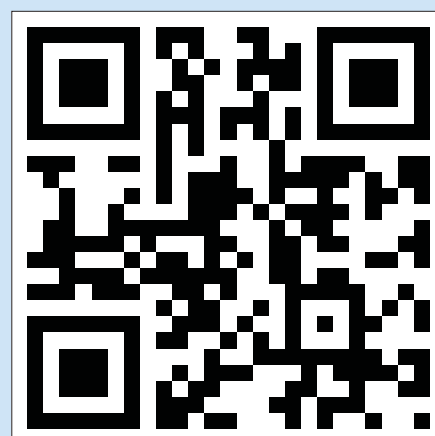
## ENGLISH LANGUAGE REQUIREMENTS

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:

IELTS (ACADEMIC)		PAPER-BASED TOEFL		COMPUTER-BASED TOEFL (CBT)		INTERNET-BASED TOEFL (IBT)			CULT		CAMBRIDGE CERTIFICATE PROFICIENCY IN ENGLISH
Overall	Section Minimum	Overall	Written English	Overall	Essay	Overall	Written Minimum	All Others	Overall	Section Minimum	Grade
6.5	6	577	4.5	233	4.5	90	23	22	75	17.5	A or B

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.

Photos: Graduations (page 15): Greg Darke.



Want to know more about IT?

SCHOOL OF INFORMATION TECHNOLOGIES  
Faculty of Engineering & Information Technologies  
T +61 2 9351 3423  
F +61 2 9351 3838  
E [sit.information@sydney.edu.au](mailto:sit.information@sydney.edu.au)  
[sydney.edu.au/it](http://sydney.edu.au/it)

SCHOOL OF  
INFORMATION  
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THE UNIVERSITY OF  
SYDNEY

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