Information Technology

www.infotech.monash.edu

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What makes Information Technology at Monash special?

- Quality instruction and varied choice: At Monash, students learn with some of the world’s leading academics and researchers. There is the choice to study in any area of information technology.
- All information technology under one banner: Monash is the only research-intensive Group of Eight University member to have a dedicated Information Technology faculty.
Jessica Ling  

An international qualification from Monash University helped IT professional ‘Jessica’ Jie Ling earn a job at computer giant IBM. Jessica works at the company’s centre in the outer suburbs of Beijing, where she is employed as an engineer working on software quality assurance.

Jessica is currently part of the team perfecting the next version of database management system DB2 for z/OS, a 64-bit operating system created by IBM for mainframe computers.

She says it is a job that she probably would not have got without the advantage of having an international qualification from Monash University.

“Yes, of course it helped me a lot,” Jessica says. “International companies really liked the fact that I had overseas experience. They will tend to accept the overseas students because they have more English skills and also equivalent knowledge as the local students.”

Jessica completed her undergraduate IT course in China, but decided it was important to get her postgraduate qualification overseas.

“I thought I could learn a lot of new knowledge there, so I chose Monash.”

“I was quite glad that I did because Monash has taught me a lot. Yes I have learnt a lot," she says.

In 2005, Jessica travelled from China to the Clayton campus of Monash University to study a Master of Business Systems. Within a year of returning home to China in mid-2006 she had secured a job at IBM.

The masters course provided Jessica with training and research skills in the analysis, design, development and application of information technology to management and decision making.

• Graduate employability: Monash information technology graduates are highly valued by employers across all industries.

• Global recognition: An information technology degree from Monash is recognised around the world for its quality and depth. Access to research collaborations with more than 110 global institutions sets the benchmark for other universities.

• Diverse research areas: Students can select from various principal areas, such as decision support and enterprise systems, distributed systems and software engineering, intelligent systems, multimedia computing and communications.
Research centres

The research strengths of the Faculty of Information Technology combine across information technology fields and leverage the collective knowledge into a wide variety of applications across disciplines. As the largest IT Faculty in Australia, it is one of the leading, most respected and extensively collaborative IT institutions in the world.

- Centre for Decision Support and Enterprise Systems Research (CDSESR) www.infotech.monash.edu/cdsesr
- Centre for Organisational and Social Informatics (COSI) www.infotech.monash.edu/cosi
- Centre for Research in Intelligent Systems (CRIS) www.infotech.monash.edu/cris
- Centre for Distributed Systems and Software Engineering (DSSE) www.infotech.monash.edu/dsse
- Centre for Multimedia Computing, Communications and Applications Research (MCCAR) www.infotech.monash.edu/mccar
- CTI-Monash Centre for Optimisation (CTI-Monash) www.infotech.monash.edu/cti

Research strengths

The Faculty of Information Technology covers the whole IT spectrum from engineering to social science. Our leading researchers’ specific strengths are in:
- computing science
- software engineering
- information systems, and
- information and knowledge management

One specialisation area is eResearch of which Monash University is a leader in the development of its infrastructure. The Faculty of Information Technology plays a major role with relevant research strengths in high performance computing, grid computing, data mining, computational modelling, digital repositories and digital curation, and collaborative platforms and environments. The faculty is renowned for its Nimrod software, a family of tools that support eResearch which has been deployed in Australia and in leading research sites in United States of America, United Kingdom, South America and Europe. It also performs collaborative eResearch with international leaders such as the Oxford e-Research Centre, the San Diego Supercomputing Centre, University of Amsterdam and the California Institute for Telecommunications and Information Technology. Another major strategic advantage is the collaboration between the Monash eResearch Centre, Monash’s Information Technology Services Division, the University Library and the Faculty of Information Technology in various Australian Government initiatives including infrastructure for the Australian Synchrotron.

Specialise in project management

An Information Technology qualification from Monash is recognised globally. Graduates work throughout the world and enjoy varied, challenging and rewarding careers in areas including software engineering, applications development, systems analysis, internet development, computer programming, systems design, artistic design, scientific research, engineering and business strategy.

In 2011, the Master of Business Information Systems will be introducing the project management specialisation. Many companies now consider project management mandatory for the survival of the firm. Organisational redesign is occurring at a rapid rate because of shorter product life cycles, quickly changing dynamic environments, accelerated development of sophisticated information systems, and increased marketplace competitiveness. Because of these factors, companies are considering project management organisations as a solution. Additionally, project management is often used as a training ground to prepare future general managers.

The Faculty of Information Technology constantly reviews its courses to ensure the best outcomes for graduates. It is committed to delivering courses that are innovative and continue to be relevant to the changing needs of both students and employers. A Monash University Information Technology postgraduate degree can drive an IT career forward or develop the foundation required to start a career in the IT industry.

Tran Thanh Nam
PhD (Computer Science) (2005)

He’s studied and worked across the world, now Monash University graduate Tran Thanh Nam has brought his IT skills home to Vietnam to help build his country's prosperity.

Nam is the chief operating officer at MobiVi, Vietnam’s leading electronic payment service provider.

He helped co-found the company in mid-2007 and since then has seen it grow quickly on the back of massive growth in the reach and popularity of the internet, mobile phones and business uptake of electronic communications.

Nam wants to harness the country’s enthusiasm for technology and also revolutionise the way millions of people across Vietnam do business.

Nam left a job at computer giant Microsoft in the US to return to Vietnam to set up the company.

Nam says PhD study at Monash University helped prepare him for the demands of his job. He studied a PhD in computer science with the Faculty of Information Technology at Monash in Australia, graduating in late 2005.

“I learnt a lot in the four and a half years or so at Monash,” Nam says. “The key thing is you learnt how to do something significant, how to do it independently largely, but also in cooperation with other people. They are the sorts of skills you can apply anywhere.”

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- Centre for Distributed Systems and Software Engineering (DSSE) www.infotech.monash.edu/dsse
- Centre for Multimedia Computing, Communications and Applications Research (MCCAR) www.infotech.monash.edu/mccar
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Research degrees

Doctor of Philosophy

Information Technology research at Monash has a multi-disciplinary, multi-campus and multi-national approach, providing research students with a unique capacity to reach out further and deeper than at any other institution in Australia.

The faculty has six research centres which provide the focus for internationally recognised research strengths in intelligent systems, distributed systems and software engineering, organisational and social informatics, business intelligence and multimedia computing.

Areas for research cover the whole IT spectrum from engineering to social science.

The award of the PhD degree is generally accepted as showing that the candidate is capable of carrying out independent research.

Course outline

The PhD is a 100 per cent research program. A research candidate is required to undertake a program of supervised research within a school of the faculty resulting in the completion of a major thesis, the length of which would not normally exceed 100,000 words.

In appropriate circumstances, enrolment for a masters degree by research may be converted into enrolment for a PhD.

Career outlook

Our HDR graduates will have developed deep research expertise in the areas of their projects and high skills and commitment to continued professional development. The graduates will develop an insight into the transferable nature of research skills to other work environments and the range of career opportunities within and outside academia.

Course details

Course code: 0190

Duration: Four years full-time, eight years part-time

The course is designed to be taken over a period of three years with a maximum of four full-time years. Part-time studies are available on conditions approved by the Research Graduate School Committee.

Campus: Berwick, Caulfield, Clayton, Gippsland and Sunway

Off-campus study available

Intake: Throughout the year

Entry requirements: The minimum qualifications for admission to PhD candidature are: (a) a bachelors degree requiring at least four years of full-time study and normally including a research component in the fourth year, leading to an honours degree at first or upper second class level (H1 or HIIA); or (b) a course leading to a masters preliminary qualification at a level rated by the relevant school and faculty as equivalent to a first or upper second class honours degree; or (c) a masters degree that comprises a significant research component, at least equivalent to (a) above.

2010 annual domestic fee: Consult faculty

Master of Philosophy

Master of Philosophy students in IT are expected to make a contribution to an existing body of information technology knowledge by applying, clarifying, critiquing or interpreting that knowledge.

Course outline

The MPhil is a 100 per cent research program. A research candidate is required to undertake a program of supervised research within a school of the faculty, resulting in the completion of a major thesis of a maximum of 50,000 words.

In fulfilling the requirements for supervised study and research at the University, a candidate is required to be present at the University on a regular basis and to be involved in the intellectual life of the University and the relevant school.

Career outlook

The Masters of Philosophy program will suit students who wish to pursue an academic career in IT. Depending on the area of research chosen, graduates can also work in multimedia technology, business systems, computer science, computer technology, information systems, digital communications, software development, systems development, or network computing.

Course details

Course code: 3337

Duration: Two years full-time, four years part-time

Campus: Sunway

Intake: Throughout the year

Entry requirements: The minimum requirements for admission to MPhil candidature are: (i) a degree of bachelors with honours I, or honours II division A; or (ii) qualifications which in the opinion of the Monash Research Graduate School (MRGS) are equivalent or a satisfactory substitute. Prospective research candidates are expected to have identified a certain research area of interest prior to applying. They are required to discuss the proposed research project, as well as availability of supervision and facility to conduct research, with the school in which they are seeking candidature.

2010 annual domestic fee: Consult faculty

Master of Business Systems (Research)

This program provides training and research in the analysis, design, development and application of information technology to management and decision-making. This involves the study of business-related techniques, practices and procedures in areas such as management, commercial, financial, health and industrial systems, leading to an understanding of the application of computer systems and information technology for business purposes.

Course outline

This course can be taken as 100 per cent research (including one compulsory research methodology unit) or by a combination of 75 per cent research and additional coursework.

Career outlook

The Masters of Business Systems (Research) degree suits students who wish to pursue an academic career in IT and/or a research-oriented role in any large organisation. Depending on the area of research, graduates can work in multimedia technology, business systems, computer science, computer technology, information systems, digital communications, software development, systems development, network computing, information management, knowledge management, and archives and recordkeeping. Our research graduates take up positions in academic institutions around the world, and in public and private sector companies, and government and community-based organisations. Many of our students who complete our masters research degrees progress on to a PhD. The research skills acquired in a research program meet two major expectations of employers, regardless of their industry: the ability to communicate specialised knowledge, and the ability to solve practical problems in the workplace.

Course details

Course code: 0175

Duration: One year full-time, two years part-time

Campus: Clayton

Intake: Throughout the year

Entry requirements: Completion of a first degree in one of the following: business systems, computing, engineering, mathematics or statistical sciences, business or commerce.

Applicants’ qualifications must comply with one of the following:

(a) completion of a four-year honours degree in a relevant discipline with at least a distinction average in the final year, or

(b) at least a distinction average obtained after completing four units of a masters by coursework in IT with previous research experience in research and development projects

(c) at least a distinction average in a three-year bachelors degree in IT or cognate discipline and extensive industry experience in research or development.

2010 annual domestic fee: Research Training Scheme
Master of Information Management and Systems (Research)

This course prepares students for a professional and academic career in the field of information management and systems research and practice. It will provide students with the skills needed to conduct research projects in the field related to information products, processes, services and systems within and between organisations.

Course outline

This course can be taken as 100 per cent research (including one compulsory research methodology unit) or by a combination of 75 per cent research and additional coursework.

Career outlook

The Master of Information Management and Systems (Research) degree suits students who wish to pursue an academic career in IT and/or a research-oriented role in any large organisation. Depending on the area of research, graduates can work in multimedia technology, business systems, computer science, computer technology, information systems, digital communications, software development, systems development, network computing, information management, knowledge management, and archives and recordkeeping. Our research degree graduates take up positions in academic institutions around the world, and in public and private sector companies, and government and community-based organisations. Many of our students who complete our masters research degrees progress on to a PhD. The research skills acquired in a research program meet two major expectations on to a PhD. The research skills acquired in a research program meet two major expectations of employers, regardless of their industry: the ability to communicate specialised knowledge, and the ability to solve practical problems in the workplace.

Course details

Course code: 2617
Duration: One year full-time, two years part-time
Campus: Caulfield
Off-campus study available
Intake: Throughout the year
Entry requirements: Entry to the course will require completion of a four-year bachelor's degree (including at least 50% thesis component in the final year) in some relevant area with a grade of at least distinction.
Applicants who do not meet this requirement may gain entry to the course after the completion of an approved preliminary program at distinction level as approved by faculty board.
2010 annual domestic fee: Research Training Scheme

Master of Information Technology (Research)

Information technology is found in every aspect of today's world. The diversity of real-world IT applications is reflected in the range of research options available to Monash research students. The Master of Information Technology (Research) can be undertaken in more than 30 specialised areas.

Course outline

This course provides candidates with the opportunity to complete a major study project and submit a thesis that demonstrates independence of thought and the ability of the candidate to carry out research in the selected field. Areas of research include:


Career outlook

The Master of Information Technology (Research) degree suits students who wish to pursue an academic career in IT and/or a research-oriented role in any large organisation. Many of our students who complete our masters research degrees, progress on to a PhD. The research skills acquired in a research program meet two major expectations of employers, regardless of their industry: the ability to communicate specialised knowledge, and the ability to solve practical problems in the workplace.

Course details

Course code: 1895
Duration: One year full-time, two years part-time
Campus: Berwick, Caulfield, Clayton and Gippsland
Intake: Throughout the year
Entry requirements: Completion of:
(a) at least a four-year honours degree in computing or in a related discipline with at least a distinction average in the final year, or
(b) at least the equivalent to a distinction average in a four-year bachelor's degree in IT or a cognate discipline, or
(c) at least a distinction average in a three-year bachelor's degree in IT or cognate discipline, and industry experience in research and/or development projects.
Students enrolled in an IT faculty masters coursework degree may apply to transfer to the MIT (Research) after completing 24 points of coursework units with at least a distinction average.
2010 annual domestic fee: Research Training Scheme
Coursework degrees

Master of Applied Information Technology

The Master of Applied Information Technology program provides an effective means of opening up new career possibilities in IT fields ranging from applications programming through to systems analysis. The program provides in-depth coverage of the fundamentals of computer and information systems, programming and a wide range of IT application domains.

Students can enrol in the program at graduate certificate, graduate diploma or masters level, depending on their background and desired career outlook. Students may also elect to exit the course with a graduate certificate or graduate diploma after enrolling in the course at masters level.

Course outline

Students complete foundation units in the following areas:


Students have the option of taking one or more of the specialisations below, or can select a range of units from the specialisations according to their area of interest.

- Data management
- Distributed and mobile systems
- Intelligent systems
- Internet and web application development
- Network computing
- Security
- Software engineering

In addition, students undertake an applied team-based IT case study.

Career outlook

This course prepares students for work in the information technology industry at the highest levels. A wide range of career outcomes include software engineer/programmer, network administrator, database administrator, security analyst or multimedia developer.

Course details

Course code: 3309

Duration: Two years full-time, four years part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor’s degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology, which is intended to lead to a graduate diploma.

2010 annual domestic fee: A$21,400

Graduate Diploma in Information Technology

Course details

Course code: 0366

Duration: One year full-time, two years part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor’s degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology, which is intended to lead to a graduate diploma.

2010 annual domestic fee: A$21,400

Graduate Certificate in Information Technology

Course details

Course code: 0539

Duration: 0.5 years full-time, one year part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor’s degree, not necessarily in an IT-related discipline.

2010 total domestic course fee: A$10,700

Ashwin Manoharan

Master of Information Technology Professional

After completing an undergraduate degree in computer science, Ashwin decided to continue his studies in a masters program. Originally from India, Ashwin says one of the main reasons he selected Monash was its reputation.

“Monash University is well known around the world and I heard about its high standard of education,” he said.

“The amazing feature about this course is its flexibility. I was initially thinking of specialising in one field and ended up specialising in two fields, network computing and network security.

As a Monash graduate with two specialisations, I believe this will be a great assistance to gain eventual employment.

“Anyone considering a postgraduate information technology degree in Australia should look no further than Monash. It’s not only the education that we gain, it is the other life experiences such as time management while working part-time which prepares you for the future. Also socialising with fellow students and the friendly locals of Melbourne has made me feel that this is my home away from home.”
Nicholas Lloyd-Shrimpton
Master of Business Information Systems
IT Service Delivery Manager
SCA Hygiene Australasia

As IT Service Delivery Manager with SCA Hygiene Australasia, Nicholas is responsible for providing IT infrastructure services to SCA employees across Australia, New Zealand and Fiji.

“I realised that I needed an edge over my peers to progress my career. As I had not finished an undergraduate degree, completing a masters degree is a way of demonstrating commitment and ability while also gaining a qualification that is well regarded among employers. Monash has a reputation that is highly regarded across industries.”

Nicholas completed the Executive Certificate in Information Technology (2008) pathway program and then enrolled in the Master of Business Information Systems.

“Being a standalone information technology faculty allows the flexibility to develop courses and subjects that are in line with what industry is looking for from new IT professionals. This is evidenced by the development of the new Project Management professional track (page 86) which will turn out professionals better equipped to manage projects.”

Master of Information Technology

Monash aims to provide students with knowledge, understanding and experiences that transcend technologies and are robust over time so that students are well placed to deal with the ongoing and rapid changes in the information technology field.

The Master of Information Technology programs provide the framework within which students can appreciate and integrate new software and hardware technologies and extend their theoretical knowledge in specific areas of interest in the industry. They provide broad, flexible studies in information technology, enabling students to select specific areas for in-depth study, or to construct a curriculum from a range of suitably advanced units.

Students can enrol in the program at postgraduate certificate, postgraduate diploma, masters, masters professional or masters (honours) level, depending on their academic background and desired career outlook. Students can also enrol at the Masters level and later choose to exit at either postgraduate certificate or postgraduate diploma level.

Students are also able to complement their detailed studies of significant areas of information technology with elective study from a wide range of disciplines.

Course outline

Students have the option of taking one or more of the specialisations below, or can select a range of units from the specialisations according to their area of interest.

- Data management
- Distributed and mobile systems
- Intelligent systems
- Internet and web application development
- Network computing
- Security
- Software engineering

Students in the honours stream also complete studies in research methodologies and a minor research thesis.

Career outlook

Graduates will have the knowledge and skills to solve complex social, economic and technical problems within the context of information technology. The honours degree prepares students for doctoral-level studies or high-level industrial research.

Course details

Course code: 2402
Duration: 1.5 years full-time, three years part-time
Campus: Caulfield
Intake: First semester, second semester
Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor's degree in IT such as computing, computer science or a technical information technology field with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Executive Certificate in Information Technology, which is intended to lead to a postgraduate diploma. Upon successful completion of the diploma (with course leader advice), students may be eligible to articulate into their chosen masters program.

2010 annual domestic fee: $21,400

Limited CSP available. Conditions apply.
**Postgraduate Diploma in Information Technology**

**Course details**
- **Course code:** 2411
- **Duration:** One year full-time, two years part-time
- **Campus:** Caulfield
- **Intake:** First semester, second semester
- **Entry requirements:** The normal entry requirement is successful completion of a degree that is equivalent of an Australian bachelor's degree in IT such as computing, computer science or a technical information technology field with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Executive Certificate in Information Technology, which is intended to lead to a postgraduate diploma.

- **2010 annual domestic fee:** A$21,400

**Postgraduate Certificate in Information Technology**

**Course details**
- **Course code:** 2423
- **Duration:** 0.5 years full-time, one year part-time
- **Campus:** Caulfield
- **Intake:** First semester, second semester
- **Entry requirements:** The normal entry requirement is successful completion of a degree that is equivalent of an Australian bachelor's degree in IT such as computing, computer science or a technical information technology field with at least a pass (50%) average.

- **2010 total domestic course fee:** A$10,700

**Master of Business Information Systems**

The highly flexible course structure of the Master of Business Information Systems program provides students with an understanding of foundation information technology concepts and fundamental business systems, information systems, and information management principles. Students can enrol in the program at graduate certificate, graduate diploma, postgraduate certificate, postgraduate diploma, masters, masters professional or masters (honours) level depending on their background and desired career outlook.

- **Course outline**
  - Foundation units for students without the appropriate background knowledge include studies in database systems design, computer programming, architecture and networks, and information technology management.
  - Students have the option of taking one or more of the specialisations below, or can select a range of units from the specialisations according to their area of interest.
    - Business application development
    - Business intelligence
    - Business systems
    - Corporate information and knowledge management
    - Enterprise systems
    - Library, archival and recordkeeping systems
    - Project management
  - Students in the honours stream also complete studies in research methodologies and a minor research thesis.

- **Career outlook**
  - This program prepares students with previous qualifications in any discipline for careers in IT management, applications management, business information systems, information systems, information management, or knowledge management. The honours stream prepares students for either senior professional practice or doctoral-level (PhD) studies

**Course details**
- **Course code:** 3341
- **Duration:** 1.5 years full-time, three years part-time
- **Campus:** Caulfield
- **Intake:** First semester, second semester
- **Entry requirements:** Completion of a degree that is equivalent of an Australian bachelor's degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology or the Executive Certificate in Information Technology, which are intended to lead to a graduate or postgraduate diploma. Upon successful completion of a subsequent relevant graduate diploma (with course leader advice), students may be eligible to articulate into their chosen masters program.

- **2010 annual domestic fee:** A$21,400

**Master of Business Information Systems Professional**

**Course details**
- **Course code:** 3342
- **Duration:** Two years full-time, four years part-time
- **Campus:** Caulfield
- **Intake:** First semester, second semester
- **Entry requirements:** The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor's degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology or the Executive Certificate in Information Technology, which are intended to lead to a graduate or postgraduate diploma. Upon successful completion of a subsequent relevant graduate diploma (with course leader advice), students may be eligible to articulate into their chosen masters program.

- **2010 annual domestic fee:** A$21,400

**Master of Business Information Systems (Honours)**

**Course details**
- **Course code:** 3343
- **Duration:** Two years full-time, four years part-time
- **Campus:** Caulfield
- **Intake:** First semester, second semester
- **Entry requirements:** The normal entry requirement is successful completion of a degree that is equivalent of an Australian bachelor's degree in business information systems, information management, or a closely related discipline with an overall credit average for the entire bachelor's degree and with a distinction average in third-year IT units. Completion of a Graduate Diploma or a Postgraduate Diploma in Business Information Systems with a distinction grade average is considered to be a satisfactory substitute to an Australian bachelor's degree.

- **2010 annual domestic fee:** A$21,400

Limited CSP available. Conditions apply.
Rod Rizzi
Graduate Diploma of Information and Knowledge Management
Lending Services Coordinator
Monash University Library

Rod is employed in the lending services area of the Caulfield campus library. His role involves leading the Readings and Reserve team which create the dedicated web pages on the library website that contain reading lists and associated links to essential and recommended reading.

“Monash University is such a well-regarded Group of Eight university in Australia, coupled with its strong reputation as a first class education provider overseas, I know it would give me the edge over graduates from other institutes.

The fact the course content deals with current trends and technology such as social networking, tagging and web 2.0, I believe also gives me an edge when compared to other graduates.”

“Studying this course has not only helped me professionally but also in my family life. The options it gave me with work opportunities enabled me to find a job that suited me and my young family. Had it not been for the course I wouldn’t have had these choices and my children would see a lot less of their father.”

Graduate Diploma in Business Information Systems
Course details
Course code: 3345
Duration: One year full-time, two years part-time
Campus: Caulfield
Intake: First semester, second semester
Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelors degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology or the Executive Certificate in Information Technology, which are intended to lead to either a graduate or a postgraduate diploma.

2010 annual domestic fee: A$21,400

Postgraduate Diploma in Business Information Systems
Course details
Course code: 3344
Duration: One year full-time, two years part-time
Campus: Caulfield
Intake: First semester, second semester
Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelors degree in business information systems, information management, or a closely related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Executive Certificate in Information Technology, which is intended to lead to a postgraduate diploma.

2010 annual domestic fee: A$21,400

Graduate Certificate in Business Information Systems
Course details
Course code: 3347
Duration: 0.5 years full-time, one year part-time
Campus: Caulfield
Intake: First semester, second semester
Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelors degree, not necessarily in an IT-related discipline, with at least a pass (50%) average.

2010 total domestic course fee: A$10,700

Postgraduate Certificate in Business Information Systems
Course details
Course code: 3346
Duration: 0.5 years full-time, one year part-time
Campus: Caulfield
Intake: First semester, second semester
Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelors degree in business information systems, information management, or a closely related discipline, with at least a pass (50%) average.

2010 total domestic course fee: A$10,700
Graduate Diploma in Information and Knowledge Management

All enterprises, whether in the private or public sector, need excellent information and knowledge strategies to succeed. This course educates information professionals for a range of careers in information and knowledge management. The course is designed to meet the requirements for professional accreditation from the Australian Library and Information Association, the Records Management Association of Australasia and the Australian Society of Archivists.

There are different course structures for librarians and related information professionals and records managers and archivists.

Course outline

Students complete eight graduate-level units from the Master of Business Information Systems program. These units include one or more foundation units and units selected from the corporate information and knowledge management specialisation and/or the library, archival and record keeping systems specialisation.

Students wishing to gain professional recognition by the Australian Library and Information Association (ALIA) as librarians and related information professionals, or by the Records Management Association of Australasia (RMAA) or the Australian Society of Archivists (ASA) as records managers and archivists, must select eight specialised units.

Career outlook

This course is designed for students who wish to qualify as librarians, records managers, archivists, information managers, knowledge managers and other information professionals who need a designated sequence of units for professional recognition purposes. Graduates of this course are expected to play leading professional roles in Australia and other countries.

Course details

Course code: 3340
Duration: One year full-time, two years part-time
Campus: Caulfield
Off-campus study available
Intake: First semester, second semester

Entry requirements: The normal entry requirement is successful completion of a degree that is the equivalent of an Australian bachelor's degree, not necessarily in an IT-related discipline, with at least a pass (50%) average. Candidates without formal tertiary qualifications can apply to enter via a pathway from the Professional Certificate in Information Technology or the Executive Certificate in Information Technology, which are intended to lead to either a graduate or a postgraduate diploma.

2010 annual domestic fee: A$21,400

Professional Certificate in Information Technology

This course provides a solid knowledge of the fundamentals in computer systems, programming, information systems and applications of information technology in businesses. This course has been developed for people who have information technology experience but do not hold a university degree.

The professional certificate is intended to lead to enrolment in a graduate diploma. Upon successful completion of a subsequent relevant graduate diploma (with course leader advice), students may be eligible to articulate into a Faculty of Information Technology masters degree.

Course outline

The course consists of the following areas of study:
- Foundations of programming
- Computer technology and operating systems
- Database technology
- Systems analysis and design

Course details

Course code: 3315
Duration: 0.5 years full-time, one year part-time
Campus: Caulfield
Off-campus study available
Intake: First semester, second semester

Entry requirements: Admission is only available to people with appropriate, relevant information technology work experience. Specifically, applicants must have four or more years of work experience involved in information technology, information systems or information management activities at or above either a project management or technical level.

This certificate is intended to lead to a coursework masters degree. Information industry research and development tasks such as the design and implementation of information systems, information technologies or information management procedures will be appropriately recognised in the articulation process. In order to gain entry to the university's graduate programs from this professional certificate, students must attain a credit average in their studies in this certificate. Students who wish to use the professional certificate to articulate into graduate awards are advised to seek advice from the appropriate course leaders as to selection of units within the professional certificate.

2010 total domestic course fee: A$10,700
Not available to international students

Executive Certificate in Information Technology

This course facilitates access to information technology graduate or postgraduate diplomas for people with little or no previous university study but with extensive relevant industry experience at executive management or senior technical level. The executive certificate is intended to lead to enrolment in a graduate or postgraduate diploma. Upon successful completion of a subsequent relevant graduate or postgraduate diploma (with course leader advice), students may be eligible to articulate into a Faculty of Information Technology masters degree.

Course outline

The course consists of four units chosen from the following programs:
- Master of Business Information Systems
- Master of Information Technology

Course details

Course code: 2794
Duration: 0.5 years full-time, one year part-time
Campus: Caulfield
Off-campus study available
Intake: First semester, second semester

Entry requirements: Admission is only available to people with extensive, relevant and advanced work experience. Specifically, applicants must have six or more years of work experience in information technology, information systems or information management activities at either an executive management or senior technical level.

The executive certificate is intended to lead to a graduate or postgraduate diploma. Upon successful completion of a subsequent relevant graduate or postgraduate diploma (with course leader advice), students may be eligible to articulate into a Faculty of Information Technology masters degree. Information industry research and development tasks such as the design and implementation of information systems, information technologies or information management procedures will be appropriately recognised in the articulation process.

2010 total domestic course fee: A$10,700
Not available to international students