

Information Technology



Monash is the only research-intensive, Group of Eight university to have a dedicated IT faculty.

What makes Information Technology at Monash University special?

- **Quality instruction and varied choice:** At Monash, students learn with some of the world's leading information technology academics and researchers. There is the choice to study in any area of IT, from business and enterprise systems, to technical computing, networks and multimedia, to social informatics or librarianship, archives and recordkeeping.
- **All IT under one banner:** Monash is the only research intensive, Group of Eight member to have a dedicated Information Technology faculty. A Monash IT degree is recognised for its prestige and quality by employers worldwide.
- **Graduate employability:** Monash IT graduates are highly valued by employers both domestically and internationally across all industries.
- **Global recognition:** An IT degree from Monash is recognised around the world for its quality and innovation. Access to research collaborations with more than 110 global institutions sets the benchmark for other universities.

Professional recognition

Graduates of the Faculty of Information Technology graduate diploma and masters programs meet the knowledge requirements for admission to membership of the Australian Computer Society (ACS) at the associate or professional level.

Graduates of the Master of Business Information Systems program may, depending on their unit choice, also be eligible for professional accreditation or recognition by the Australian Library and Information Association (ALIA), the Australian Society of Archivists (ASA), or the Records Management Association of Australasia (RMAA).

Career prospects

In today's highly competitive market, employers want the best candidates with a solid foundation in their discipline, technical ability and strong interpersonal skills as well as a solid understanding of business issues. Companies want it all, and are competing to offer better salaries, working conditions and advancement opportunities to attract the best applicants.

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.

The Faculty of Information Technology recently reviewed 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 needed foundation to start a career in the IT industry.



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



Graduate profile

Zhongshi Wu

Master of Information Technology (2008)

"Melbourne is a great city in which to study and live. Monash students of IT enjoy a beautiful campus with many computer rooms to study in, high performance computer hardware and top class software support.

The subjects provided by my course were practical and interesting. They covered all the important areas you would need in your future job. Tutors and lecturers were easily accessible for valuable help and you learnt what you really needed to learn!"

Contact

For further information, talk to one of our advisers:

Faculty of Information Technology

Domestic student (coursework) enquiries: +61 3 9903 2015

Email: admissions@infotech.monash.edu.au

Domestic student (research) enquiries: +61 3 9905 3910

Email: research@infotech.monash.edu.au

International student enquiries: +61 3 9627 4852

Email: study@monash.edu

www.infotech.monash.edu

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 five 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.

The degree is awarded for a thesis that, in the opinion of the examiners, makes a significant contribution to knowledge or understanding of any field of study with which the University is directly concerned.

Course Outline

The faculty's research strengths are in computing science, software engineering, information systems, and information and knowledge management.

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 research expertise in the areas of business computing and have a commitment to continued professional development. Graduates will develop an insight into the transferable nature of research skills to other work environments and the range of career opportunities available. These will allow them to take up positions in academic institutions around the world as well as public and private sector companies, which require these skills.

Course Details

Course code: 0190

Duration: 4 years full-time, 8 years part-time

Campus: Berwick, Caulfield, Clayton, Gippsland, Sunway

Intake: First semester, second semester

Entry requirements: (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 H2A); 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.

2009 annual domestic fee: Research Training Scheme

2009 annual Sunway fee: RM 30,000

Master of Philosophy

The Master of Philosophy (MPhil) is a University-wide master by research degree administered by the Monash Research Graduate School (MRGS). The MRGS is dedicated to enhancing research opportunities at Monash, and providing support to postgraduate researchers.

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 Monash University, Sunway, Malaysia 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: 2 years full-time, 3 years part-time

Campus: Sunway

Intake: First semester, second semester

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. Applications may be submitted throughout the year.

2009 annual Sunway fee: RM 30,000

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.

Areas of research may include business decision support systems, business modelling, data-mining and e-commerce systems, as well as financial, accounting, health care and administrative systems.

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

Our HDR graduates will have developed research expertise in the areas of business computing and have a commitment to continued professional development. Graduates will develop an insight into the transferable nature of research skills to other work environments and the range of career opportunities available. These will allow them to take up positions in academic institutions around the world as well as public and private sector companies, which require these skills.

Course Details

Course code: 0175

Duration: 1 year full-time, 2 years part-time

Campus: Clayton

Intake: First semester, second semester

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) at least second class honours obtained after completing a bachelors degree with honours in information technology or cognate discipline

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

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

Those expecting to complete their degrees in the current year may apply.

2009 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

The course can be studied in two ways:

- By 100 per cent research
- By a combination of coursework and research

The coursework component can be up to 15 per cent of fifth-year subjects from the Caulfield School of Information Technology information management and systems stream.

Each candidate is required to undertake supervised research in an area of information management or information systems resulting in the completion of a major thesis. A principal and an associate supervisor will be appointed and the candidate is required to maintain regular contact with the supervisors. Candidates are required to attend and contribute to the school research-in-progress seminar series.

The overall result for the degree will be determined by combining the graded thesis and the results of any coursework units that have been approved for MIMS (Research) study.

Career Outlook

Our HDR graduates will have developed research expertise in the areas of business computing and have a commitment to continued professional development. Graduates will develop an insight into the transferable nature of research skills to other work environments and the range of career opportunities available. These will allow them to take up positions in academic institutions around the world as well as public and private sector companies, which require these skills.

Course Details

Course code: 2617

Duration: 1 year full-time, 2 years part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: Entry to the course will require completion of a four-year bachelors degree (including at least 50 per cent thesis component in final year) in some relevant area with a grade of at least second class honours (H2A).

Applicants who do not meet this requirement may gain entry to the course after the completion of an approved preliminary program at second class honours standard as approved by faculty board.

2009 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 in the disciplines of multimedia technology, business systems, computer science, computer technology, information systems, digital communications, software development, systems development, or network computing.

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:

Animation – Artificial intelligence – Digital communications – Electronic data interchange and internet commerce – Game design – Graphics and image processing – GUI design and programming – Information storage and retrieval – Knowledge-based systems – Mobile and distributed computing systems – Multimedia applications and authoring – Multimedia standards and protocols – Network security – Object-oriented systems – Programming paradigms and languages – Robotics – Systems analysis and design.

Career Outlook

Our HDR graduates will have developed research expertise in the areas of business computing and have a commitment to continued professional development. Graduates will develop an insight into the transferable nature of research skills to other work environments and the range of career opportunities available. These will allow them to take up positions in academic institutions around the world as well as public and private sector companies, which require these skills.

Course Details

Course code: 1895

Duration: 1 year full-time, 2 years part-time

Campus: Berwick, Caulfield, Clayton, Gippsland

Intake: First semester, second semester

Entry requirements: The normal entry requirement for the course is completion of: (a) a four-year honours degree in computing or in a related discipline with at least a class HI or H2A pass, or (b) the equivalent to a distinction (or H2A) average in a four-year bachelors degree in IT or cognate discipline, or (c) a distinction average in a three-year bachelors 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 or 70 per cent (H2A) average if they have had previous experience in a research and/or development project.

2009 annual domestic fee: Research Training Scheme



Student profile

Jan Carlo Barca

PhD candidate

"I wanted to be able to answer exciting research questions which could assist in the advancement of knowledge and technology. In my research I am capturing human movement and reconstructing this movement in virtual reality," he said.

Jan Carlo has incorporated classical artificial intelligence into 3D characters so they can assist humans in the control process. He has definite plans for his future direction.

"I would like to bring my 3D models out from cyberspace and into the real world and at the same time, work with control of multi-agent systems. I know that this is important work and it will drive the 'where' and 'how' of my career," he said.

Monash has provided the time and resources for Jan Carlo to pursue his research goals and shown him how to use important research tools.

Master of Applied Information Technology

The Master of Applied Information Technology program opens 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 have the option of taking one or more specialisations in the following areas:

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

In addition students undertake an applied team-based IT case study. This project covers all phases of the design, building and implementation of an IT application.

Career Outlook

This program prepares students for work in the information technology industry at the highest levels. Career outcomes include software engineer, programmer, network administrator, database administrator, security analyst or multimedia developer.

Course Details

Course code: 3309

Duration: 2 years full-time, 4 part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: Successful completion of a degree that is the equivalent of an Australian bachelors degree, not necessarily in an IT-related discipline. 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.

2009 annual domestic fee: \$20,480 AUD

Graduate Diploma in Information Technology

Course Details

Course code: 0366

Duration: 1 year full-time, 2 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. Special pathways into graduate coursework studies exist for students who have appropriate work experience. Such students may apply for entry into the Graduate Diploma in Information Technology after completing the Executive Certificate in Information Technology or Professional Certificate in Information Technology.

2009 annual domestic fee: \$19,040 AUD

Graduate Certificate in Information Technology

Course Details

Course code: 0539

Duration: 0.5 years full-time, 1 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.

2009 annual domestic fee: \$19,040 AUD*

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 programs in information technology, enabling students to select specific areas for in-depth study, or to construct a program 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. Depending on their course of enrolment, high performing students with the appropriate academic background can undergo research training through completion of a minor thesis.

Students are 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 specialisations in the following areas:

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

or can select units from the above specialisations according to their area of interest and their course of study.

Students in the Honours stream also complete studies in research methodologies and a minor research thesis. This option is also available to high performing students in the MIT Professional program.

Career Outlook

Graduates will have the knowledge and skills to solve complex social, economic and technical problems within the context of information technology. Students will develop deep theoretical and practical knowledge in specific areas so that they will have the intellectual and conceptual foundation to play leading roles in the development of the information technology industry. Specific career outcomes vary from specialist software engineering through to cutting edge technology research and development. The Honours degree prepares students for doctoral level studies or high level industrial research through study in research methods and a research project leading to a minor thesis.

Course Details

Course code: 2402

Duration: 1.5 years full-time, 3 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 to an Australian bachelors degree in IT such as computing, computer science or a technical information technology field. Applicants without formal tertiary qualifications can enter via a pathway from the Executive Certificate in Information Technology, which is intended to lead to a postgraduate diploma or masters degree.

2009 annual domestic fee: \$20,480 AUD

Master of Information Technology Professional

Course Details

Course code: 3348

Duration: 2 years full-time, 4 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 to an Australian bachelors degree in IT such as computing, computer science or a technical information technology field. Applicants without formal tertiary qualifications can enter via a pathway from the Executive Certificate in Information Technology, which is intended to lead to a postgraduate diploma or masters degree.

2009 annual domestic fee: \$20,480 AUD

Master of Information Technology (Honours)

Course Details

Course code: 3349

Duration: 2 years full-time, 4 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 to an Australian bachelors degree in IT such as computing, computer science or a technical information technology field, with an overall credit average for the entire bachelor degree and with a distinction average in third-year level IT units.

A one page minor thesis project proposal must be provided upon submission of application.

2009 annual domestic fee: \$20,480 AUD

CSP Available

Postgraduate Diploma in Information Technology

Course Details

Course code: 2411

Duration: 1 year full-time, 2 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 to an Australian bachelors degree in IT such as computing, computer science or a technical information technology field. Special pathways into graduate coursework studies exist for students who have appropriate work experience. Such students may apply for entry into the Postgraduate Diploma in Information Technology after completing the Executive Certificate in Information Technology.

2009 annual domestic fee: \$19,040 AUD

Postgraduate Certificate in Information Technology

Course Details

Course code: 2423

Duration: 0.5 years full-time, 1 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 to an Australian bachelors degree in IT such as computing, computer science or a technical information technology field.

2009 annual domestic fee: \$19,040 AUD*



Student profile

Lucie Joschko

PhD candidate

Lucie Joschko is from the Czech Republic but studied her undergraduate degree in multimedia as a domestic student. She chose Monash because of its leading global reputation and high international ranking.

"Monash has proven to be one of the most valuable and rewarding experiences of my life." Lucie enjoyed her honours year so much she applied for a PhD scholarship. "Receiving the Australian Postgraduate Award was a great encouragement to pursue my postgraduate research and I never looked back."

"My PhD topic allows me to specialise in a particular area of my choice and explore it in such depth that I hope to become an expert in that field. This will in turn lead me to employment opportunities related to my research."

While the Faculty of IT is a separate discipline at Monash, it encourages a multidisciplinary approach in research activities. "My thesis focuses on changes and challenges in the Czech animation industry. But as well as the advancements in production technology, I can also examine various political and economic influences that impacted on the animation industry in recent years."

"I am really enjoying my postgraduate research; it presents me with great opportunities to attend academic conferences, publish my research findings, meet with recognised experts in my research field and even travel overseas as part of my data collection work. The postgraduate program at Monash is certainly designed to prepare its candidates for a successful career."

* Domestic fee per 48 credit points. 48 credit points represents a standard full-time course load for a year. Courses with fewer or more credit point values, such as part-time courses, will attract a proportionate amount. For more information see Page 144.

Coursework degrees

Master of Business Information Systems

Business information systems professionals apply IT to solve business problems, improve business company processes and facilitate decision making. The highly flexible course structure of the Master of Business Information Systems programs provide students with an understanding of foundation information technology concepts and fundamental business systems, information systems, and information management principles. The programs allow students to choose a specific area of study or select a range of units from different areas to give them an edge in the employment marketplace. 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 for business, computer architecture and networks, and information technology management.

Students can choose to complete one or more professional tracks (specialisations) in:

- Business application development
- Business intelligence
- Business systems
- Corporate information and knowledge management
- Enterprise systems
- Library, archival and record-keeping systems.

Students in the Honours stream also complete studies in research methodologies and a minor research thesis. This option is also available to high performing students in the MBIS Professional program.

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. Graduates are expected to play leading professional roles in their field locally and overseas. The Honours stream prepares students for either senior professional practice or doctoral level (PhD) studies through research methods training leading to a minor thesis in business information systems.

Course Details

Course code: 3341

Duration: 1.5 years full-time, 3 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. Candidates without formal tertiary qualifications can 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 diploma or masters degree.

2009 annual domestic fee: \$20,480 AUD

CSP Available

Master of Business Information Systems Professional

Course Details

Course code: 3342

Duration: 2 years full-time, 4 years part-time

Campus: Caulfield

Intake: First semester, second semester

Entry requirements: See Master of Business Information Systems.

2009 annual domestic fee: \$20,480 AUD

Graduate Diploma in Business Information Systems

Course Details

Course code: 3345

Duration: 1 year full-time, 2 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. Special pathways into graduate coursework studies exist for students who have appropriate work experience. Such students may apply for entry into the Graduate Diploma in Business Information Systems after completing the Executive Certificate in Information Technology or Professional Certificate in Information Technology.

2009 annual domestic fee: \$19,040 AUD

Graduate Certificate in Business Information Systems

Course Details

Course code: 3347

Duration: 0.5 years full-time, 1 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.

2009 annual domestic fee: \$19,040 AUD*

Master of Business Information Systems (Honours)

Course Details

Course code: 3343

Duration: 2 years full-time, 4 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 to an Australian bachelors degree in business information systems, information management, or a closely related discipline with an overall credit average for the entire bachelor degree and with a distinction average in third-year level IT units. A one page minor thesis project proposal must be provided upon submission of application.

2009 annual domestic fee: \$20,480 AUD

CSP Available

Postgraduate Diploma in Business Information Systems

Course Details

Course code: 3344

Duration: 1 year full-time, 2 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 to an Australian bachelors degree in business information systems, information management, or a closely related discipline.

2009 annual domestic fee: \$19,040 AUD

Postgraduate Certificate in Business Information Systems

Course Details

Course code: 3346

Duration: 0.5 years full-time, 1 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 to an Australian bachelors degree in business information systems, information management, or a closely related discipline.

2009 annual domestic fee: \$19,040 AUD*

Pathway graduate certificates

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 (ALIA), the Records Management Association of Australasia (RMAA), and the Australian Society of Archivists (ASA).

There are different 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 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 professional specialisation.

Students wishing to gain professional recognition by the ALIA, and related information professionals, or by the RMAA, or 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 are expected to play leading professional roles in Australia and other countries.

Course Details

Course code: 3340

Duration: 1 year full-time, 2 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 to an Australian bachelors degree. Candidates without formal tertiary qualifications should normally enter via the faculty's Professional Certificate in Information Technology or the Executive Certificate in Information Technology.

2009 annual domestic fee: \$19,040 AUD

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. It has been developed for people who have information technology experience but do not hold a university 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

Career Outlook

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. 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.

Course Details

Course code: 3315

Duration: 0.5 years full-time, 1 year part-time

Campus: Caulfield

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.

2009 annual domestic fee: \$20,480 AUD*

This course is not available to international student visa holders.

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.

Course Outline

The course consists of four units chosen from the following programs:

- Master of Business Information Systems
- Master of Information Technology

Career Outlook

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 master's 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 postgraduate programs from this executive certificate, students must attain a credit average in their studies.

Course Details

Course code: 2794

Duration: 0.5 years full-time, 1 year part-time

Campus: Caulfield

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.

2009 annual domestic fee: \$20,480 AUD*

This course is not available to international student visa holders.

* Domestic fee per 48 credit points. 48 credit points represents a standard full-time course load for a year. Courses with fewer or more credit point values, such as part-time courses, will attract a proportionate amount. For more information see Page 144.