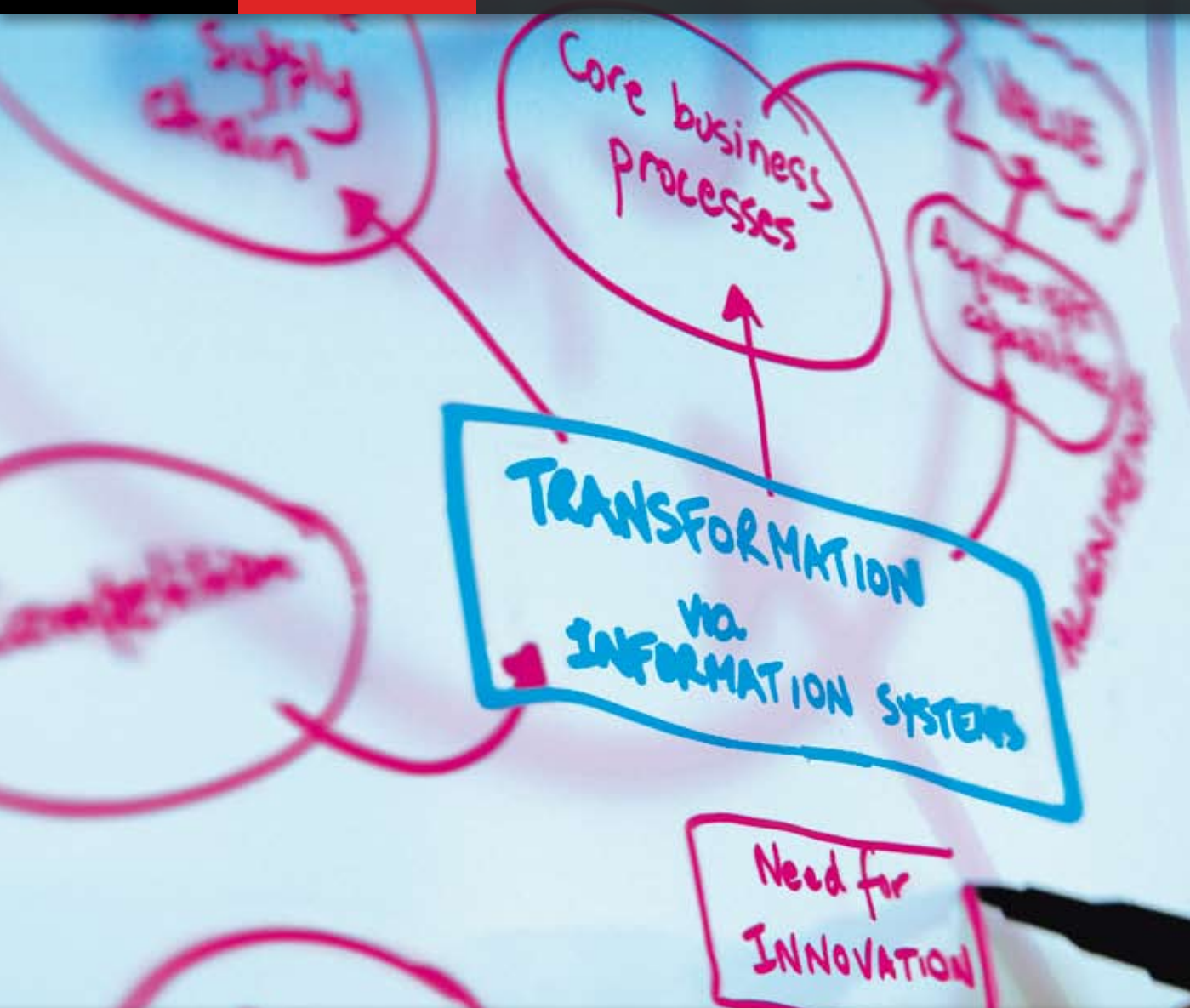


postgraduate

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SWINBURNE
UNIVERSITY OF
TECHNOLOGY

Postgraduate courses in
Information Systems Management



Information systems are driving profound changes to the ways in which we conceptualise how we work, and the business processes by which we produce and distribute goods and services. Information systems are thus essential for operational efficiency and effectiveness, and future business sustainability.

Swinburne's programs have been designed to support the IS professional whose ambition is to assume a senior information systems management role in an organisation and for those non-IS professionals who increasingly find themselves involved in making vital decisions about IS.

The Master of Information Systems Management (MISM) focuses on strategic business and information systems issues associated with the consistent delivery of business value from IS over time, thus preparing graduates for progression to senior IS management roles and to make sound decisions with respect to IS investments.

Students also have the opportunity to study an MISM/MBA double degree. This double degree enables students to develop both an understanding of IS management and general management, with a particular focus on how technology can support the modern enterprise operating in complex, turbulent global environments.

In addition the MISM/Master of Accounting double degree provides financial and accounting skills associated with the successful management of the IS resource in organisations.

Please take the opportunity to browse through the descriptions and details of the programs presented in this brochure. We look forward to you becoming a highly valued student of the MISM degrees at Swinburne University of Technology.

Information Systems Management

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Master of Information Systems Management

Program overview

The Swinburne Master of Information Systems (MISM) is designed as a comprehensive and contemporary study of management issues associated with the successful deployment and effective utilisation of information systems in organisations. The program focuses on optimizing business value at an acceptable cost without unnecessary exposure to IS related risk.

This MISM will suit applicants who wish to enhance their career opportunities by understanding current approaches to the management and governance of information systems and technologies. The program aims to produce 'hybrid' professionals able to recognise the business and managerial complexities and challenges associated with the application of information systems and technologies within and between contemporary organisations.

The MISM is designed for professionals with industry experience. A variety of entry points are available depending on prior academic qualifications.

“

Maurice Leung

I am currently working as a Business Analyst, and recently embarked on the Master of Information Systems Management to further my knowledge in IS Management. I have enjoyed my studies to date. In fact, the units I have studied have been relevant to industry, and I was recently successful in securing a job in IS Consulting as a result of the knowledge I acquired. The MISM has enabled me to take a new trajectory in my career.”

Master of Information Systems Management

The program aims to assist students to:

- ▶ Develop confidence and competence to contribute effectively to sound decision making with respect to IS/IT in organisational contexts
- ▶ Appreciate the importance of developing appropriate organisational IS/IT capabilities and ensuring sound IS/IT governance practices in modern organisations
- ▶ Understand the nature, role and contribution of information, information systems (IS), and information technology (IT) and the information/knowledge resource in local, national and global business environments
- ▶ Appreciate the need to align IS/IT plans with business plans to ensure the attainment of corporate objectives, and to clearly demonstrate the value of the IS/IT resource in an organisation
- ▶ Understand the major contemporary issues in the management of the IS/IT function
- ▶ Appreciate the major issues in the delivery of IS services and solutions, including the acquisition of IS/IT, building relationships with vendors and suppliers, and decision making with respect to outsourcing and off-shoring

Swinburne's program also offers a range of features, including:

- ▶ Credit transfers for students with previous bachelor studies in IT or IS
- ▶ Professional recognition by the Australian Computer Society, ensuring the program meets the highest standards of the profession and industry
- ▶ Evenings classes to suit those who are full-time professionals
- ▶ Block mode delivery may also be available for some units
- ▶ Full-time and part-time studies are available
- ▶ Course content designed to meet the needs of employers and industry
- ▶ Small, highly interactive and dynamic classes, delivered by commercially experienced practitioners and academics
- ▶ Flexible entry and exit points with study programs designed to meet the needs of individual students

Location

Hawthorn campus

Program length

The MISM is offered on a full-time and part-time basis. For full-time students the program will take one and half years. However students may wish to undertake some summer semester units, which may reduce the time needed to complete the program to one year. For part-time students the program will take three years. However, in the case of unit exemptions and admission into stage two of the program, the course may take two years part-time.

Entry

Enrolment is possible in both Semester 1 (February) or Semester 2 (July) each year.

Admission requirements

Graduate Certificate of Information Systems Management

Students without a formal degree, but who have at least five years of relevant work experience would normally be eligible for entry to the Graduate Certificate of Information Systems Management.

Graduate Diploma and Master of Information Systems Management

Admission to the Graduate Diploma and Master of Information Systems Management is available to students who have an undergraduate degree or the Swinburne Graduate Certificate of ISM, as well as substantial relevant work experience, normally at least two years for part-time students and three years for full-time students. Students who have a degree which includes some information technology, computer science or software engineering units may be eligible for exemption from a number of units in stage one. Students who have a bachelor degree or graduate diploma in information systems may be eligible to commence the course at stage two, thus reducing the time needed to complete the program.



Wendy Geraghty

Master of Information Systems Management

Running my own business I felt I was ready to expand my knowledge and combine my business experience with further studies in information systems management.

The program has been industrially relevant and delivered real knowledge that has had a positive application in my place of work.

Attending Swinburne University of Technology has also provided me the invaluable opportunity to network and learn from students as well as the teaching staff in the Master of Information Systems Management”

Program overview

Graduate Certificate of Information Systems Management

In order to gain the Graduate Certificate of Information Systems Management, students must complete four units of study to the value of 50 credit points. These normally consist of the three stage one core units as well as one stage one elective.

Graduate Diploma of Information Systems Management

In order to gain the Graduate Diploma of Information Systems Management, students must complete eight units of study to the value of 100 credit points. In addition to the requirements of the graduate certificate, students normally complete the four units in stage two.

Master of Information Systems Management

In order to gain the Master of Information Systems Management, students must complete twelve units of study to the value of 150 credit points. In addition to the requirements of the graduate diploma, students may choose from three different options. Options B and C require approval from the program coordinator.

Option A

Students undertake two core units, HIT8465 and one of HIT8060 or HIT7407, as well as one stage three elective and one stage three business or social science elective.

Option B

Students undertake two core units, HIT8465 and one of HIT8060 or HIT7407, as well as a research report (HIT8070) valued at 25 credit points and taken over two semesters.

Option C

Students undertake a minor thesis (HIT8067) valued at 50 credit points, taken over two semesters.

Master of Information Systems Management

Program structure	Elective units of study
<p>Stage one</p> <p>HIT7462 Contemporary Issues in Business Analysis</p> <p>HIT8036 Business Information Systems for a Rapidly Changing World</p> <p>HIT8408 Information Systems Risk and Security</p> <p>Stage 1 elective</p>	<p>Stage one electives</p> <p>HIT6402 Database, Analysis and Design</p> <p>HIT6405 Requirements Analysis and Modelling</p> <p>HIT6411 Business Data Communications and Networks</p> <p>HIT7406 Enterprise Systems</p> <p>HIT7412 Business Information Systems Analysis</p> <p>HIT7420 Database Management Systems</p> <p>HIT8409 Process Modelling</p>
<p>Stage two</p> <p>HIT8186 IS Governance and Strategy</p> <p>HIT8463 Managing the IT Capability</p> <p>HIT8464 Delivering IT Business Value</p> <p>HBC480 Accounting Information and Managerial Decision Making</p>	<p>Stage three electives</p> <p>HIT7406 Enterprise Systems</p> <p>HIT8044 Professional Issues in Information Technology</p> <p>HIT8078 Knowledge Management</p> <p>HIT8409 Process Modelling</p> <p>HIT8410 Systems Acquisition and Implementation Management</p> <p>HIT8413 Business Intelligence</p> <p>HIT8419 Decision Analysis Systems</p> <p>HIT8423 Enterprise Systems Management</p> <p>HIT8427 Configuring Business Information System Solutions</p> <p>HIT9466 Advanced Topics in Information Systems Management</p>
<p>Stage three (Option A)</p> <p>HIT8465 Managing IT-Enabled Transformation</p> <p>HIT8060 Systems Project Management OR</p> <p>HIT7407 Information Systems Project Management</p> <p>Stage 3 elective</p> <p>Stage 3 Business elective</p>	<p>Stage three electives – Business and Social Science</p> <p>HBC580 Business Finance and Quantitative Analysis</p> <p>HBH580 Strategic Human Resource Management</p> <p>HBI680 Global Business</p> <p>HBM480 Strategic and Entrepreneurial Marketing</p> <p>HBO480 Leading</p> <p>HB0580 Managing Diversity and Culture</p> <p>HBS580 Business Strategy</p> <p>HSF631 Dimensions of Global Change</p> <p>HAM425 Key Cultural Issues in Media and Communication</p> <p>HAM426 Communication Environments</p> <p>HAM427 Media Public Policy</p> <p>HAM500 Globalisation: Media and Communications</p>
<p>Stage three (Option B)</p> <p>HIT8465 Managing IT-Enabled Transformation</p> <p>HIT8060 Systems Project Management OR</p> <p>HIT7407 Information Systems Project Management</p> <p>HIT8070 Research Report (25 credit points)</p>	
<p>Stage three (Option C)</p> <p>HIT8067 Minor Thesis (50 credit points)</p> <p><i>Note: Entry into Options B and C will require approval from the program coordinator.</i></p>	

Master of Information Systems Management/ Master of Business Administration

The Master of Information Systems Management/Master of Business Administration (MISM/MBA) double degree provides professionals with advanced skills and knowledge across the complex areas of both business and information systems. This program enables students to achieve the aims and objectives of both the current Swinburne MISM and MBA courses in a time and cost effective way. On completion of the program students are awarded two degrees, the MISM, and the MBA.

In addition to studying the full MISM, the MBA component not only offers the opportunity to acquire contemporary management knowledge and skills, it also provides students with the ability to apply that knowledge in an innovative, creative and entrepreneurial way.

In addition to the objectives of the MISM, the MISM/MBA aims to:

- ▶ Develop skilled and competent managers and leaders who are entrepreneurially orientated, globally focused and socially conscious
- ▶ Build entrepreneurs able to start new ventures and manage enterprises that operate in a global and competitive environment
- ▶ Meet the demands of business and industry to achieve and sustain international competitive advantage, particularly through the innovative application of information and information systems
- ▶ Reflect the global context of change, uncertainty and opportunity



Sousan Nikpour

After investigating the MISM/MBA, I found the units offered were highly relevant to my work and closely aligned with my career goals and aspirations. My aim was to develop my knowledge and skills in business and entrepreneurship as well as information systems.

The program delivered a balanced coverage of organisational issues as well as technological issues with a fresh application of the theory to real life scenarios through the course work.”

Master of Information Systems Management/ Master of Business Administration

Swinburne's program offers a range of features, including:

- ▶ Core units of both the MISM and the MBA
- ▶ A structure that satisfies the requirements of both the MISM and the MBA in the most time and cost effective way
- ▶ Flexible entry points, designed to meet the needs of students
- ▶ Strong industry recognition combining the MBA with the Australian Computer Society accredited MISM
- ▶ Course content designed to meet the needs of employers and industry demand
- ▶ Full-time and part-time study options, with classes offered in a variety of modes to cater for full-time professionals
- ▶ Small, highly interactive and dynamic classes, delivered by commercially experienced practitioners and academics

Location

Hawthorn campus

Program length

The program takes approximately two years of full-time time study to complete including a summer semester, or equivalent part-time. Duration of study will depend on previous qualifications and experience.

Admission requirements

- ▶ MISM/MBA requires at least three years appropriate professional experience and completion of a relevant undergraduate degree at a credit level from a recognised university
- ▶ Students who have a degree which includes some information technology units may be eligible for exemption from a number of units in stage one
- ▶ Current students in either the MISM or MBA may transfer to the MISM/MBA double degree subject to the admission requirements of the double degree as set out above

Program structure

The program is available in both part-time and full-time modes and involves 19 units of study. Selected units may be available in summer (December–January) and winter (July) terms. Entry is possible in both semester one (February) and semester two (July).

Units of study

The MISM/MBA is composed of the following units:

Semester 1

HIT8036	Business Information Systems for a Rapidly Changing World
HBM480	Strategic and Entrepreneurial Marketing
HBO480	Leading
HIT8408	Information Systems Risk and Security

Semester 2

HIT7462	Contemporary Issues in Business Analysis
HBC480	Accounting Information and Managerial Decision Making
HBO580	Managing Diversity and Culture
HBH580	Strategic Human Resource Management

Semester 3

HIT8463	Managing the IT Capability
HIT8060	Systems Project Management
HBS580	Business Strategy
HBC580	Business Finance and Quantitative Analysis

Semester 4

HIT8464	Delivering IT Business Value
HIT8186	IS Governance and Strategy
HBO680	Leadership for Entrepreneurship and Innovation
HBI680	Global Business

Semester 5

HBS680	Corporate Strategies and Entrepreneurship
HIT8465	Managing IT-Enabled Transformation
HBO681	Corporate Governance in a Global Context

Note: Some units are currently only offered in the evening or on weekends. Units available each semester may vary from the above depending on the student's point of entry

Master of Information Systems Management / Master of Accounting

The Master of Information Systems/Master of Accounting (MISM/MAcc) double degree provides advanced skills and knowledge across the complex areas of both accounting and information systems through a program that satisfies the individual requirements of each degree. On completion of the program students are awarded two degrees, the MISM, and the MAcc.

Students will gain business acumen and a solid understanding of the role of the information systems supporting core business processes. The program places emphasis on critical thinking in relation to accounting and finance issues within a business IS environment and ensures that graduates understand how to use financial and other resources to their best advantage, particularly in the context of making informed decisions about IS investments.

In addition to the objectives of the MISM, the MISM/MAcc has the following aims:

- ▶ Provide high quality accounting education to suitably qualified candidates
- ▶ Develop the capacity to effectively manage and implement complex information systems, information technologies and solutions both within and between organisations for competitive advantage
- ▶ Develop analytical and problem solving skills necessary when dealing with accounting and finance issues within planning and decision making
- ▶ Meet the demands of business and industry to achieve and sustain international competitive advantage
- ▶ Provide understanding of the role of IS, and its relationship to the sound financial management of an organisation

Master of Information Systems Management/ Master of Accounting

Swinburne's program offers a range of features including:

- ▶ Core units of both the MISM and the MAcc
- ▶ A structure that satisfies the requirements of both the MISM and the MAcc in the most time and cost effective way
- ▶ Flexible entry points, designed to meet the needs of students
- ▶ Both courses are externally vetted to meet the highest standards of the profession and industry. MAcc will provide associate level membership with CPA Australia. The MISM is accredited with the Australian Computer Society at the highest level. MISM/MAcc is designed to meet the needs of employers and industry demand
- ▶ Classes will run in a variety of modes to cater for full-time professionals
- ▶ Small, highly interactive and dynamic classes, delivered by commercially experienced practitioners and academics

Location

Hawthorn campus

Program length

The program takes two years of full-time study to complete including a summer semester, or equivalent part-time.

Admission requirements

- ▶ MISM/MAcc requires at least three years relevant professional experience and completion of an undergraduate degree at credit level from a recognised university
- ▶ Students who have a degree which includes some information technology, computer science or software engineering units, or who hold a relevant bachelor degree or graduate diploma in information systems may be eligible for exemption from some units in stage one

Program structure

The course will require completion of 20 units including four units studied over a summer semester. Exemptions are available depending on previous qualifications. An applicant with a degree in a non IS/IT discipline will need to complete 20 units to obtain the MISM/MAcc. An applicant with a degree in computer science or IT will need to complete at least 18 units to obtain the MISM/MAcc. An applicant with an IS degree will need to complete at least 16 units to obtain the MISM/MAcc.

Full time study usually comprises four units each semester. Entry is possible in both semester one (February) and semester two (July).

Note: Some units are currently only offered in the evening or on weekends.

Units of study

Recommended Study Sequence

Semester 1

HIT8036	Business Information Systems for a Rapidly Changing World
HIT8408	Information Systems Risk and Security
HBC607	Accounting Information Systems
HBC606	Accounting Principles

Semester 2

HIT7462	Contemporary Issues in Business Analysis
HBC608	Business Modeling and Analysis
HBL606	Australian Contract Law
IT elective	

Semester 3

HIT8463	Managing the IT Capability
HIT8060	Systems Project Management
HBL607	Australian Company Law
HBC610	Financial Reporting

Semester 4

HBC609	Corporate Financial Management
HIT8464	Delivering IT Business Value
HBO480	Leading
HIT8186	IS Governance and Strategy

Semester 5

HBC611	Managerial Accounting
HBC615	Financial Accounting Theory
HIT8465	Managing IT-Enabled Transformation
HBE613	Economics

** Note: Students may select from Stage 1 electives or Stage 3 electives (listed on page 7)*

Core unit of study outlines

HIT7462 Contemporary Issues in Business Analysis

Students in this unit gain an understanding of business analysis as the means of identifying, clarifying and defining business information requirements. You will gain an appreciation of and strategies for resolving some of the inherent difficulties and challenges in contemporary business analysis practice.

HIT8036 Business Information Systems for a Rapidly Changing World

In this unit students gain an appreciation of the major IS management issues in organisations, including the challenge of consistently deriving business value from IS/IT investments, making sound decisions with respect to IS/IT, and positioning the organisation appropriately in terms of its IS/IT capabilities

HIT8463 Managing the IT Capability

In this unit students gain an understanding of key issues associated with managing and structuring the IT capability within a large and complex organisation, appraise the roles and processes required to effectively manage the IT capability, appreciate the effective deployment of IT infrastructure, and identify different IT sourcing strategies.

HBC480 Accounting Information and Managerial Decision Making

Students in this unit learn how to use financial data for decision making. They cover accounting, including profit reports, cash flows and balance sheets and use performance measurement and financial ratios to evaluate growth potential in organisations.

HIT8465 Managing IT-Enabled Transformation

Students in this unit gain an understanding of the benefits and implementation issues of IT solutions used to transform organisations, eg. Enterprise Systems, Supply Chain Management Systems, Customer Relationship Management Systems. They come to understand the roles and responsibilities required for IT-enabled organisational transformation and develop an implementation plan for IT-enabled organisational transformation.

HIT8186 Information Systems Governance and Strategy

Covering the foundations of strategic information systems planning, this unit addresses how best to deliver value from IS/IT investments in relation to business objectives and organisational strategies. Students gain an understanding of the framework of IS governance, governance principles and practices, and its contribution to the delivery of value from IS/IT investments.

HIT8464 Delivering IT Business Value

In this unit students gain an appreciation of the complexities and considerations associated with making effective investments in IT. Students are exposed to both financial and strategic perspectives in assessing the effectiveness of an organisational IT portfolio. They also look at the proactive realisation of business benefits from IS/IT investments.

HIT8060 Systems Project Management

Students cover project management and its importance to improving the success of information technology projects. Areas covered include project management terms and techniques such as: agile project management, constraints of project management and project management knowledge areas and process groups.

HIT8408 IS Risk and Security

The unit identifies IS-related risk and security issues in organisations, and the relationship between these and the achievement of business value from IS/IT investments. The Unit focuses on managing risk and security concerns within organisations including IS/IT failures, dysfunctional systems, and systems which fail to deliver value to key stakeholders.

HIT7407 Information Systems Project Management

This unit examines constraints of project management, project management knowledge areas and process groups and the project life cycle, all from an information systems perspective.

Information Systems Management

Elective unit of study outlines

The below units of study are some of the most popular electives offered in the MISM.

For information on all of the elective units available, visit www.swinburne.edu.au/coursefinder

HIT7406 Enterprise Systems

Students develop an understanding of enterprise resource planning systems and enterprise systems and their application in contemporary organisations. Planning, designing, implementation and ongoing evaluation of enterprise planning systems are examined through examples.

HIT9466 Advanced topics in ISM

The unit focuses on the key issues facing IT executives in a range of contemporary organisations. Students develop an understanding of the major theoretical frameworks underpinning IS Management, and become able to critique these frameworks in light of industry practice. Graduates gain understanding of the organisational benefits of the effective management of the IT resource.

HIT8078 Knowledge Management

The unit outlines the nature of knowledge, knowledge creation and knowledge management (KM) processes. The organisational context of KM is covered and its role in corporate strategic management in achieving competitive advantage.

HIT8409 Process Modelling

The unit overviews the nature and role of process analysis in contributing to the delivery of business value from IS/IT investments and explains the notions of business value process reengineering, workflow, inter-organisational processes, and their relationship to and dependence on modern information systems including enterprise systems.

HIT8410 Systems Acquisition and Implementation Management

The unit looks at the processes involved in the acquisition and implementation of packaged applications in organisations. Differing approaches to acquiring systems and the ability to match particular approaches to organisational contexts are covered including the inevitable organisation change issues.

HIT8413 Business Intelligence

The unit overviews information value, classifying types and sources of value explaining the types of processing that can add value to corporate data sources. Studies focus on the business intelligence environment, specifically data warehousing and data mining, to different organisational contexts.

HIT8423 Enterprise Systems Management

The unit demonstrates IS management issues involved with enterprise systems. Students learn to apply basic techniques, tools, methods and principles in the control of enterprise systems.

HB0480 Leading

Students explore their own values and mental models and how they inhibit or enable innovative leadership, and the impact this has within organisations.

General information

Facilities

As a Swinburne student you automatically gain access to a range of facilities to assist your studies. These include a well-resourced library and computer laboratories. There is also a sports association with fitness and health facilities on campus, plus a wide range of clubs to join. Other services available include personal counselling, health services, careers counselling, housing, employment and financial advice.

Location

All lectures, workshops and tutorials are conducted on the Hawthorn campus, situated adjacent to the Glenferrie railway station for easy access from the city or other parts of Melbourne. Parking close to the campus is also available.

Online access

Many lectures are recorded and available online to enrolled students. This means that part time students who are working full time and have to sometimes travel for business purposes, need not miss out on a lecture.

Single unit enrolments

If places are available, particular units will be offered for enrolment on a single-unit basis. The cost of individual units is available on request.

Professional recognition

The Master of Information Systems Management is accredited at the Professional Level with the Australian Computer Society (ACS). The program is regularly reviewed by ACS, ensuring it meets the highest standard of the profession and industry. The Master of Accounting provides associate level membership with CPA Australia.

Fees for local students

In 2009, tuition fees are expected to be between \$1900 and \$2400 per 12.5 credit point unit of study. In the event that a unit of study is derived from another program, the applicable fee will be that of the other program. All fees are reviewed each year and may increase without notice. FEE-HELP is a government funded loan that helps eligible fee paying students pay their tuition fees. FEE-HELP is not available to New Zealand citizens and most holders of Australian permanent visas, however is available to Australian citizens and holders of a permanent humanitarian visa.

For further information visit: www.goingtouni.gov.au

Application procedure

Entry is possible in both Semester 1 (February) and Semester 2 (July). Application forms can be downloaded from the web at www.swinburne.edu.au/postgrad

International students

If you want to study at Swinburne but are not an Australian resident, call Swinburne International on (+61 3) 8676 7002 or 1800 897 973 from within Australia, or visit: www.swinburne.edu.au/international

Key staff

Coordinator, Students and Programs, Postgraduate
Ms Sabina Stuart
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Dr Nick Grainger
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Professor Judy McKay
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Further information

Telephone: 1300 368 777
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Website: www.swinburne.edu.au/ict

“

We believe that Swinburne’s courses are unique in Australia and reflect the leading edge of the global trends in the teaching of IT. The students who graduate from these courses are very employable and have the foundation that is essential to ensure they are able to apply technology to deliver value to their employers. Congratulations to Swinburne for developing excellent courses for the 21st Century”

**John Craven – Managing Director, Terranovate Group Pty Ltd and
Chairperson, Swinburne IS Industry Advisory Committee**

ANY QUESTIONS?

www.swinburne.edu.au

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postgrad@swin.edu.au

Postgraduate Information Day

Swinburne Hawthorn campus

October 2009

www.swinburne.edu.au/postgrad

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