

864AL Master of Information Systems

Year and Campus:	2014 - Parkville
CRICOS Code:	055847J
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	200 credit points taken over 24 months full time. This course is available as full or part time.
Coordinator:	Dr Sean Maynard email: sean.maynard@unimelb.edu.au
Contact:	<p>Melbourne School of Engineering Ground Floor, Old Engineering (Building 173)</p> <p>Current students: Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au) Phone: 13MELB (13 6352) +61 3 9035 5511</p> <p>Prospective students: Visit Master of Information Systems (http://www.msi.unimelb.edu.au/study/graduate/master-of-information-systems/)</p>
Course Overview:	<p>The Master of Information Systems (MIS) is a 200 credit point coursework degree for those interested in professional or research careers in IT management and digital business.</p> <p>Students choose between one of two specialisations:</p> <p>The MIS Professional Specialisation has advanced coursework for careers in IT management and digital business.</p> <p>The MIS Research Specialisation combines coursework in IT management and digital business with a strong grounding for undertaking research in that context.</p>
Learning Outcomes:	<p>The key objective of the MIS is to equip students with the knowledge and skills needed to manage and change business processes through information and communications technology (ICT) and information systems. The MIS is also designed to connect students with the real world of IT Management through the industry links of staff teaching in the program. A research specialisation is available for students intending pursuing a research career.</p> <p>The MIS covers recent developments in IT infrastructure, applications, and emerging technologies. It also covers IT strategy, IT governance, IT project and change management, achieving compliance, protecting against threats, and IT service provision. The program contains a wide range of elective subjects, allowing the student to organise their study towards particular professional and research careers in IT Management and digital business.</p> <p>In addition to these essential areas of knowledge, students should also gain a broad business and real world perspective together with experience in applying business communication, interpersonal, and team skills to real situations. Critical thinking and analytical skills are honed through a mixture of advanced teaching models including case-based, experiential, and team-based approaches.</p>
Course Structure & Available Subjects:	<p>The Master of Information Systems 200 credit point program has two specialisations: professional and research. Students take ONE specialisation.</p> <p>MIS Professional Specialisation:</p> <p>All students must complete 200 credit points comprising:</p> <ul style="list-style-type: none"> # Foundation subjects (50 points). Students normally complete four foundation subjects in the areas of business and information systems to complement their first degree. The specific subjects selected will be determined after consultation with the MIS Coordinator taking into account the academic background of the student. # Lower Core subjects (50 points). Four Lower Core subjects must be completed. They have no prerequisites are normally taken in parallel with the selected foundation subjects in the first year of full-time study.

- # **Upper Core subjects (50 points).** Four Upper Core must be completed. Each has a prerequisite of 50 points of study (for students in the 200 point 2 year MIS) and the four are normally taken in parallel with elective subjects in a student's second year of full-time study. Two of the Upper Core subjects (25 points, ISYS90032 Emerging Technologies and Issues, and ISYS90051 Impact of Digitisation) form the capstone of the MIS requiring students to engage in scholarly work within the discipline.
- # **Discipline Elective subjects (50 points).** Four specific subjects will be selected taking into account the future career direction of the student. These electives have prerequisites of 50 points of study (for students in the 200 point 2 year MIS).

MIS Research Specialisation

All students must complete 200 credit points comprising:

- # **Foundation subjects (37.5 points).** Students normally complete three foundation subjects in the areas of information systems and research.
- # **Lower Core subjects (25 points).** Four Lower Core subjects must be completed. They have no prerequisites and, in a student's first year of full-time study, are normally taken in parallel with the foundation subjects selected.
- # **Upper Core subjects (50 points).** Four Upper Core subjects must be completed. Each has a prerequisite of 50 points of study (for students in the 200-point 2-year MIS) and the four are normally taken in parallel with elective subjects in a student's second year of full-time study in the course. Two of the Upper Core subjects (25 points, ISYS90032 Emerging Technologies and Issues, and ISYS90051 Impact of Digitisation) form the capstone of the MIS requiring students to engage in scholarly work within the discipline.
- # **Discipline Elective subjects (37.5 points).** Three specific subjects will be selected taking into account the future career direction of the student. These electives have prerequisites of 50 points of study (for students in the 200 point 2 year MIS).
- # **Research Project (50 points).** This is typically taken in the form of two subjects: 12.5 points in one semester followed by 37.5 points in the following semester. The specific sequence of subjects will be determined in consultation with the MIS Coordinator and the student's supervisor.

Subject Options:

MIS PROFESSIONAL SPECIALISATION

Foundation

50 points

Subject	Study Period Commencement:	Credit Points:
COMP90041 Programming and Software Development	Semester 1, Semester 2	12.50
SINF90001 Database Systems & Information Modelling	Semester 1	12.50
ISYS90026 Fundamentals of Information Systems	Semester 1	12.50
ACCT90004 Accounting for Decision Making	Summer Term, Semester 1, Semester 2	12.50
BISY90008 Information Processes & Control	Not offered 2014	12.50
ECON90015 Managerial Economics	Semester 1, Semester 2	12.50
ISYS90081 Organisational Processes	Semester 2	12.50

Lower Core

50 points

Subject	Study Period Commencement:	Credit Points:
ISYS90048 Information Technology Infrastructure	Semester 1, Semester 2	12.50
ISYS90049 Process Analysis Modelling and Design	Semester 1, Semester 2	12.50
ISYS90045 Professional IS Consulting	Semester 1, Semester 2	12.50

ISYS90050 IT Project and Change Management	Semester 1, Semester 2	12.50
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Upper Core

50 points

Subject	Study Period Commencement:	Credit Points:
ISYS90032 Emerging Technologies and Issues	Semester 2	12.50
ISYS90043 Enterprise Applications & Architectures	Semester 1, Semester 2	12.50
ISYS90038 IS Strategy and Governance	Semester 1, Semester 2	12.50
ISYS90051 Impact of Digitisation	Semester 2	12.50

Discipline Elective

50 points

Students would normally select four subjects from the following. However, students may study electives from elsewhere in the University and if interested they should discuss this with the MIS coordinator.

IS Project and Change Management

Subject	Study Period Commencement:	Credit Points:
ISYS90037 Managing IS Projects: People & Politics	Semester 1	12.50
ISYS90040 Managing Change for IS Professionals	Semester 2	12.50
ISYS90052 Managing Large Projects	Semester 2	12.50

IT Service Provision

Subject	Study Period Commencement:	Credit Points:
ISYS90055 Managing IT Outsourcing	Semester 2	12.50
ISYS90036 Enterprise Systems	Semester 1	12.50
ISYS90034 B2B Electronic Commerce	Semester 2	12.50
ISYS90053 Managing IT Services	Not offered 2014	12.50
ISYS90070 Information Security Consulting	June	12.50

Business Analytics

Subject	Study Period Commencement:	Credit Points:
SINF90004 Data Warehousing	Semester 1	12.50
MGMT90141 Business Analysis & Decision Making	Semester 1, Semester 2	12.50

IT Innovation and Interaction Design

Subject	Study Period Commencement:	Credit Points:
ISYS90039 Innovation & Entrepreneurship in IT	Not offered 2014	12.50
ISYS90035 Knowledge Management Systems	Semester 1	12.50

SINF90002 Interaction Design and Usability	Semester 2	12.50
ISYS90069 eHealth & Biomedical Informatics Systems	June	12.50

General Management

Subject	Study Period Commencement:	Credit Points:
MGMT90140 Management Competencies	January, Semester 1, Semester 2	12.50
MGMT90144 Managing for Value Creation	Semester 1, Semester 2	12.50

Accounting & Finance

Subject	Study Period Commencement:	Credit Points:
ACCT90009 Strategic Cost Management	Semester 1, Semester 2	12.50
BISY90009 Managing Information Technology	Semester 1, Semester 2	12.50
FNCE90060 Financial Management	Semester 1, Semester 2	12.50

Operations & Marketing

Subject	Study Period Commencement:	Credit Points:
MGMT90032 Operations and Process Management	September	12.50
MKTG90017 Internet Marketing	Semester 2	12.50
MKTG90007 Service Marketing	Semester 1	12.50

People Management

Subject	Study Period Commencement:	Credit Points:
MGMT90023 Managing in Information Societies	Not offered 2014	12.50
IBUS90004 Cross Cultural Management and Teamwork	March, August	12.50
MGMT90004 Organisational Behaviour	Not offered 2014	12.50
MKTG90004 Marketing Management	Summer Term, Semester 1, Semester 2	12.50

Industry Based Experience Project

Subject	Study Period Commencement:	Credit Points:
ISYS90082 Industry Based IT Experience Project	Semester 1, Semester 2	12.50

MIS RESEARCH SPECIALISATION**Foundation**

37.5 points

Subject	Study Period Commencement:	Credit Points:
ISYS90026 Fundamentals of Information Systems	Semester 1	12.50
ISYS90031 Research Methods in Information Systems	Semester 2	12.50

PLUS ONE of:

Subject	Study Period Commencement:	Credit Points:
MAST90070 Introduction to Quantitative Methods	Summer Term	12.50
EDUC90716 Introduction to Qualitative Methods	Semester 1	12.50
EDUC90717 Mixed Methods Research & Evaluation	Semester 2	12.50

Note: The specific subject will be selected by the MIS Coordinator in conjunction with the student's supervisor.

Lower Core

25 points

Subject	Study Period Commencement:	Credit Points:
ISYS90048 Information Technology Infrastructure	Semester 1, Semester 2	12.50
ISYS90049 Process Analysis Modelling and Design	Semester 1, Semester 2	12.50

Upper Core

50 points

Subject	Study Period Commencement:	Credit Points:
ISYS90032 Emerging Technologies and Issues	Semester 2	12.50
ISYS90043 Enterprise Applications & Architectures	Semester 1, Semester 2	12.50
ISYS90038 IS Strategy and Governance	Semester 1, Semester 2	12.50
ISYS90051 Impact of Digitisation	Semester 2	12.50

Research Project

50 points

This would typically be in the form of two subjects: 12.5 points in one semester followed by 37.5 points in the following semester. However, the specific sequence will be made by the Specialisation Coordinator and the student's supervisor.

The following subjects are available as building blocks to make up 50 points of the Research Project in a configuration to suit each student's study plan.

Subject	Study Period Commencement:	Credit Points:
ISYS90065 Information Systems Research Proj Major	Semester 1, Semester 2	12.50
ISYS90064 Information Systems Research Proj Major	Semester 1, Semester 2	25
ISYS90063 Information Systems Research Proj Major	Semester 1, Semester 2	37.50
ISYS90062 Information Systems Research Proj Major	Semester 1, Semester 2	50

Discipline Elective

37.5 points

Students would normally select three subjects from the following. However, students may study electives from elsewhere in the University and if interested they should discuss this with the MIS Coordinator

IS Project and Change Management

Subject	Study Period Commencement:	Credit Points:
ISYS90037 Managing IS Projects: People & Politics	Semester 1	12.50
ISYS90040 Managing Change for IS Professionals	Semester 2	12.50
ISYS90052 Managing Large Projects	Semester 2	12.50

IT Service Provision

Subject	Study Period Commencement:	Credit Points:
ISYS90055 Managing IT Outsourcing	Semester 2	12.50
ISYS90036 Enterprise Systems	Semester 1	12.50
ISYS90034 B2B Electronic Commerce	Semester 2	12.50
ISYS90070 Information Security Consulting	June	12.50

Business Analytics

Subject	Study Period Commencement:	Credit Points:
SINF90004 Data Warehousing	Semester 1	12.50
MGMT90141 Business Analysis & Decision Making	Semester 1, Semester 2	12.50

IT Innovation and Interaction Design

Subject	Study Period Commencement:	Credit Points:
ISYS90039 Innovation & Entrepreneurship in IT	Not offered 2014	12.50
ISYS90035 Knowledge Management Systems	Semester 1	12.50
SINF90002 Interaction Design and Usability	Semester 2	12.50
ISYS90069 eHealth & Biomedical Informatics Systems	June	12.50

General Management

Subject	Study Period Commencement:	Credit Points:
MGMT90140 Management Competencies	January, Semester 1, Semester 2	12.50
MGMT90144 Managing for Value Creation	Semester 1, Semester 2	12.50

Accounting & Finance

Subject	Study Period Commencement:	Credit Points:
BISY90008 Information Processes & Control	Not offered 2014	12.50
ACCT90009 Strategic Cost Management	Semester 1, Semester 2	12.50
BISY90009 Managing Information Technology	Semester 1, Semester 2	12.50

People Management

Subject	Study Period Commencement:	Credit Points:
MGMT90023 Managing in Information Societies	Not offered 2014	12.50
IBUS90004 Cross Cultural Management and Teamwork	March, August	12.50
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MKTG90004 Marketing Management	Summer Term, Semester 1, Semester 2	12.50

Operations & Marketing

Subject	Study Period Commencement:	Credit Points:
MGMT90032 Operations and Process Management	September	12.50
MKTG90017 Internet Marketing	Semester 2	12.50
MKTG90007 Service Marketing	Semester 1	12.50

Entry Requirements:**Entry into the MIS Professional Specialisation, applicants must:**

- # Have completed an undergraduate degree in any discipline with at least H3 (65%) average in the final year of study or equivalent.

Entry into the MIS Research Specialisation, applicants must:

- # Have completed an undergraduate degree in any discipline with at least H3 (65%) average in the final year of study or equivalent.
- # Obtain approval by the MIS Coordinator based on submitting a 2000 word research proposal. Candidates may be invited to interview to discuss their proposal. Entry is highly competitive and will depend on the research proposal demonstrating ability to complete a research project. Entry is also dependent on the availability of a suitable supervisor for the chosen area of research. Candidates are encouraged to contact the MIS Coordinator to discuss their application.

Language Requirements

All students studying at the University of Melbourne must satisfy the University's English language entry requirements in accordance with Selection Principles: **Regulation 11.1.A2 – Admission and Selection to Courses** (<http://www.unimelb.edu.au/Statutes/r111a2.html>) . <http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements> (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

For graduate students the University's English language entry requirements are set out at: <http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts> (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts>)

The University of Melbourne English Language Bridging Program (UMELBP)

The UMELBP provides a direct English language pathway from Hawthorn-Melbourne to specific courses at the University of Melbourne. Students who have achieved an IELTS band 0.5 lower than their University of Melbourne course entry requirement may be able to proceed directly to their University studies upon successful completion of the UMELBP. More information is available from the **Hawthorn Melbourne website** (<http://www.hawthornenglish.com/UMELBP.html>) . <http://www.hawthornenglish.com/> (<http://www.hawthornenglish.com/>) The Melbourne School of Engineering's English Language alternative may affect the duration and cost of your course <http://www.eng.unimelb.edu.au/study/english-requirements.html> (<http://www.eng.unimelb.edu.au/study/english-requirements.html>)

Core Participation Requirements:

The Master of Information Systems welcomes applications from students with disabilities. It is University and degree policy to take all reasonable steps to minimise the impact of disability

	<p>upon academic study, and reasonable adjustments will be made to enhance a student's participation in the degree. The Master of Information Systems requires all students to enrol in subjects where they will require: a) the ability to comprehend complex science and technology related information;b) the ability to clearly and independently communicate a knowledge and application of science, and technology principles and practices during assessment tasks;c) the ability to actively and safely contribute in clinical, laboratory, and fieldwork/excursion activities. Students must possess behavioural and social attributes that enable them to participate in a complex learning environment. Students are required to take responsibility for their own participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. There may be additional inherent academic requirements for some subjects, and these requirements are listed within the description of the requirements for each of these subjects. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the relevant Subject Coordinator and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/</p>
Further Study:	An entry pathway to PhD is possible from the 'Research' specialisation.
Graduate Attributes:	Graduates should have the ability to demonstrate advanced independent critical inquiry, analysis and reflection. The degree has significant engagement and involvement from local and international practicing information systems professionals. Graduating students qualify for membership of the appropriate professional body, the Australian Computer Society, and are informed by the most up-to-date evidence based research in information systems throughout the degree.
Professional Accreditation:	The Master of Information Systems (Professional) is conditionally accredited by the Australian Computer Society. Full accreditation is pending. The Master of Information Systems (Research) will not be accredited by the Australian Computer Society as it is a Research Degree.
Generic Skills:	<p>On completion of the course:</p> <ul style="list-style-type: none"> # Have the ability to demonstrate advanced independent critical enquiry, analysis and reflection # Have a strong sense of intellectual integrity and the ethics of scholarship # Have in-depth knowledge of their specialist area # Reach a high level of achievement in writing, research or project activities, problem-solving and communication # Be critical and creative thinkers, with an aptitude for continued self-directed learning # Be able to examine critically, synthesise and evaluate knowledge across a broad range of disciplines # Have a set of flexible and transferable skills for different types of employment # Be able to initiate and implement constructive change in their communities, including professions and workplaces
Links to further information:	http://www.cis.unimelb.edu.au