864BB Master of Information Systems

Year and Campus:	2015 - Parkville
CRICOS Code:	023203K
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	150 credit points taken over 18 months full time. This course is available as full or part time.
Coordinator:	Dr Sean Maynard email: sean.maynard@unimelb.edu.au
Contact:	**Melbourne School of Engineering** Ground Floor, Old Engineering (Building 173) Current students: Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)** Phone: 13MELB (13 6352) +61 3 9035 5511 Prospective students: Visit **Master of Information Systems (http://www.msi.unimelb.edu.au/study/graduate/master-of-information-systems/)**
Course Overview:	**THERE IS NO FURTHER ENTRY INTO THIS COURSE.** **THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2014.** The Master of Information Systems (MIS) 150 point program is a professional degree for those seeking an advanced career in IT management and digital business: professionals supporting, managing and changing business processes through information and communications technology (ICT) and information systems. The MIS is taught in the Department of Computing and Information Systems.
Learning Outcomes:	A graduate of the MIS should: 1 Have developed a sound knowledge and understanding of the discipline of Information Systems 2 Have acquired skills that will enable them to manage and change business processes through information and communications technology (ICT) and information systems. 3 Have a broad business and real world perspective together with experience in applying business communication, interpersonal, and team skills to real situations. 4 Have developed and demonstrated critical thinking and analytical skills to apply information system theory to ICT management practice 5 Have gained professional practice knowledge within the real world of IT Management through the industry links of staff teaching in the program 6 Have developed skills and had experience in communication of ICT issues to justify, critically evaluate and explain real-world situations leading to IT management decisions 7 Be able to demonstrate an understanding of professional codes of conduct and ethical standards 8 Have advanced knowledge of research principles and methods in Information Systems
Course Structure & Available Subjects:	All students must complete 150 points comprising: # **Lower Core** subjects (50 points). Four Lower Core subjects must be completed. These are normally completed towards the beginning of study but may overlap with other subjects. # **Upper Core** subjects (50 points). Four Upper Core subjects must be completed. 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. The capstone subjects are normally taken towards the end of study. # **Discipline Elective** subjects (50 points). Four elective subjects must be completed.

Subject Options:	**Lower Core**

50 credit points:

Subject	Study Period Commencement:	Credit Points:
ISYS90048 Managing ICT Infrastructure	March, 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	June, Semester 1, Semester 2	12.50

Upper Core

50 credit points:

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

Discipline Elective

Students would normally select four subjects from the following. Students may also study electives from elsewhere in the University and if interested they should discuss this option with the course 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:
ISYS90086 Data Warehousing	Semester 1	12.50
MGMT90141 Business Analysis & Decision Making	Semester 1, Semester 2	12.50

COMP90049 Knowledge Technologies	Semester 1, Semester 2	12.50
MAST90072 Data and Decision Making	Semester 1	12.50

IT Innovation and Interaction Design

Subject	Study Period Commencement:	Credit Points:
ISYS90039 Innovation & Entrepreneurship in IT	Not offered 2015	12.50
ISYS90035 Knowledge Management Systems	Semester 1	12.50
ISYS90085 Interaction Design and Usability	Semester 2	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 Customer Service Excellence	Semester 1	12.50

People Management

Subject	Study Period Commencement:	Credit Points:
MGMT90023 Managing in Information Societies	Not offered 2015	12.50
IBUS90004 Cross Cultural Management and Teamwork	March, August	12.50
MGMT90004 Organisational Behaviour	Not offered 2015	12.50
MKTG90004 Marketing Management	Summer Term, Semester 1, Semester 2	12.50

Spatial Information

Subject	Study Period Commencement:	Credit Points:
GEOM90008 Foundations of Spatial Information	Semester 1	12.50

GEOM90007 Spatial Visualisation	July	12.50
GEOM90015 Spatial Data Infrastructure	Semester 1	12.50
GEOM90016 Advanced Topics in GIScience	Semester 1	12.50
GEOM90018 Spatial Databases	Semester 1	12.50

eHealth

Subject	Study Period Commencement:	Credit Points:
ISYS90069 eHealth & Biomedical Informatics Systems	June	12.50
ISYS90078 Health Data, Information and Knowledge	Semester 2	12.50
INFO90001 eHealth & Biomedical Informatics Methods	October	12.50
ISYS90077 EHealth Applications and Solutions	Semester 1	12.50
ISYS90076 IT Infrastructure for eHealth	Semester 1	12.50

Information Technology

Other technical computing subjects can be selected from the MIT as elective subjects. See **https://handbook.unimelb.edu.au/view/2014/MC-IT (../../view/2014/MC-IT)** for a list.

Industry Based Learning

- An application process must be completed for these subjects, see each subjects handbook entry.

Subject	Study Period Commencement:	Credit Points:
ISYS90080 IT Industry Placement	Summer Term, Semester 1, Semester 2	25
ISYS90082 Industry Based IT Experience Project	Summer Term, Semester 1, Semester 2	12.50
BUSA90485 Global Business Practicum	January, July	12.50
BUSA90473 Melbourne Business Practicum	February, July	12.50
ENGR90033 Industry Based Learning	January, Semester 1, Semester 2	25

Research Studies *

Subject	Study Period Commencement:	Credit Points:
ISYS90031 Research Methods in Information Systems	Semester 1	12.50
ISYS90044 Minor Research Project in IS	Year Long, Semester 1, Semester 2	25

*MIS Course Coordinator approval is required for each subject.

Entry Requirements:

Applicants must have:

An undergraduate degree in any discipline with at least H3 (65%) average in the final year of study and at least one year documented relevant work experience; or
A Graduate Certificate in Information Systems with at least H3 (65%) average in the Graduate Certificate or equivalent.

	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 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/
Further Study:	An entry pathway to PhD is possible if students complete ISYS90031 Research Methods in Information Systems and ISYS90044 Minor Research Project in IS (25 points) in consultation with the Course Coordinator.
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 accredited by the Australian Computer Society.
Generic Skills:	On completion of the course: # 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.msi.unimelb.edu.au
Notes:	This course is not accepting any further entry from 2015, students looking at completing the MIS should look at **https://handbook.unimelb.edu.au/view/2015/MC-MIS (../../view/2015/MC-MIS)**