

## 864BB Master of Information Systems

<b>Year and Campus:</b>	2012 - Parkville								
<b>CRICOS Code:</b>	023203K								
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>								
<b>Level:</b>	Graduate/Postgraduate								
<b>Duration &amp; Credit Points:</b>	150 credit points taken over 18 months full time. This course is available as full or part time.								
<b>Coordinator:</b>	Dr Wally Smith Email: <a href="mailto:wsmith@unimelb.edu.au">wsmith@unimelb.edu.au</a>								
<b>Contact:</b>	<p>Melbourne School of Engineering  Ground Floor, Old Engineering (Building 173)  Current students:  Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (<a href="mailto:13MELB@unimelb.edu.au">mailto:13MELB@unimelb.edu.au</a>)  Phone: 13MELB (13 6352)  +61 3 9035 5511  Prospective students:  Email: <a href="mailto:eng-info@unimelb.edu.au">eng-info@unimelb.edu.au</a> (<a href="mailto:eng-info@unimelb.edu.au">mailto:eng-info@unimelb.edu.au</a>)  Phone: +618344 6944</p>								
<b>Course Overview:</b>	<p>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. The MIS is taught in the Department of Computing and Information Systems.</p>								
<b>Objectives:</b>	<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.</p> <p>The degree 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 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>								
<b>Course Structure &amp; Available Subjects:</b>	<p>All students must complete 150 pts including:</p> <ul style="list-style-type: none"> <li># Lower Core subjects (50 points). Lower core subjects have no prerequisites and, in a student's first year of full-time study, are normally taken in parallel with the foundation subjects selected;</li> <li># Upper Core subjects (50 points). Upper Core subjects each have a prerequisite of 50 points of study (for students in the 200 point 2 year MIS) and are normally taken in parallel with elective subjects in a student's second year of full-time study in the course;</li> <li># Discipline Elective subjects (50 points). The specific subjects selected will be determined after consultation with the MIS Coordinator taking into account the academic background of the student.</li> </ul>								
<b>Subject Options:</b>	<p><b>Lower Core</b>  Students should select four subjects:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Subject</th> <th style="width: 20%;">Study Period Commencement:</th> <th style="width: 20%;">Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ISYS90048 Information Technology Infrastructure</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ISYS90048 Information Technology Infrastructure	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:							
ISYS90048 Information Technology Infrastructure	Semester 1	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 2	12.50

### Upper Core

Students should select four subjects:

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

### Discipline Elective

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 program coordinator.

### IS Project and Change Management

Subject	Study Period Commencement:	Credit Points:
ISYS90037 IS Projects: People Process and 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 1	12.50
ISYS90036 Enterprise Systems	Semester 1	12.50
ISYS90034 B2B Electronic Commerce	Semester 2	12.50
ISYS90053 Managing IT Services	Not offered 2012	12.50
ISYS90068 Service Science	Semester 1	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
BISY90004 Business Intelligence	Semester 2	12.50

### IT Innovation and Interaction Design

Subject	Study Period Commencement:	Credit Points:
ISYS90039 Innovation & Entrepreneurship in IT	Semester 1	12.50
ISYS90035 Knowledge Management Systems	Semester 1	12.50
SINF90006 Internet Software Development Principles	Not offered 2012	12.50
SINF90007 Pervasive Computing	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	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 2012	12.50
ACCT90009 Strategic Cost Management	Semester 1, Semester 2	12.50
MGMT90041 Financial & Performance Management	November	12.50
BISY90009 Managing Information Technology	Semester 1, Semester 2	12.50

### Operations & Marketing

Subject	Study Period Commencement:	Credit Points:
MGMT90032 Operations Management	Semester 1	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 2012	12.50
IBUS90004 Cross Cultural Management and Teamwork	March, October	12.50
MGMT90004 Organisational Behaviour	Semester 1, Semester 2	12.50
MKTG90004 Marketing Management	Summer Term, Semester 1, Semester 2	12.50

### Research Studies

Subject	Study Period Commencement:	Credit Points:
---------	----------------------------	----------------

	<table border="1"> <tr> <td>ISYS90031 Research Methods in Information Systems</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ISYS90044 Minor Research Project in IS</td> <td>Semester 1, Semester 2</td> <td>25</td> </tr> </table>	ISYS90031 Research Methods in Information Systems	Semester 1	12.50	ISYS90044 Minor Research Project in IS	Semester 1, Semester 2	25
ISYS90031 Research Methods in Information Systems	Semester 1	12.50					
ISYS90044 Minor Research Project in IS	Semester 1, Semester 2	25					
	*MIS Course Coordinator approval is required.						
<b>Entry Requirements:</b>	<p>Applicants must have:</p> <ul style="list-style-type: none"> <li># 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</li> <li># a Graduate Certificate in Information Systems with at least H3 (65%) average in the Graduate Certificate or equivalent.</li> </ul>						
<b>Core Participation Requirements:</b>	<p>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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a></p>						
<b>Further Study:</b>	<p>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.</p>						
<b>Graduate Attributes:</b>	<p>Graduates will 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.</p>						
<b>Links to further information:</b>	<a href="http://www.cis.unimelb.edu.au">http://www.cis.unimelb.edu.au</a>						