

MIS Research Specialisation

Year and Campus:	2015
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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>
Overview:	<p>The Master of Information Systems (MIS) research specialisation is a 200 credit point coursework degree for those interested in research or professional careers in IT management and digital business.</p> <p>The research component of study will allow students to carry out independent and sustained research under appropriate supervision, to develop advanced research skills and techniques, and present their findings in a documented scholarly form. Elective streams are available in areas such as: IS Project and Change Management, IT Service Provision, Business Analytics, IT Innovation and Interaction Design, Spatial Information, and eHealth.</p> <p>The research specialisation is only available to students who have received 37.5 points or less of advanced standing due to the compulsory subject requirements.</p>
Learning Outcomes:	<p>A graduate of the MIS should:</p> <ol style="list-style-type: none"> 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
Structure & Available Subjects:	<p>MIS Research Specialisation</p> <p>All students must complete 200 credit points comprising:</p> <ul style="list-style-type: none"> # Foundation Core subjects (37.5 points). Students normally complete three foundation core 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 Research Specialisation

Foundation Core

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 1	12.50

PLUS ONE of:

Subject	Study Period Commencement:	Credit Points:
MAST90070 Introduction to Quantitative Methods	Not offered 2015	12.50
EDUC90716 Introduction to Qualitative Methods	January	12.50
EDUC90717 Mixed Methods Research & Evaluation	Term 3	12.5

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 Managing ICT Infrastructure	March, 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 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

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 list of electives presented below. Students may also 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:
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
ENGR90026 Engineering Entrepreneurship	Not offered 2015	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
ECON90015 Managerial Economics	Semester 1, Semester 2	12.50
MGMT90111 Management and Business Communication	Semester 1	12.50

Accounting & Finance

Subject	Study Period Commencement:	Credit Points:
ACCT90004 Accounting for Decision Making	Summer Term, Semester 1, Semester 2	12.50
ACCT90009 Strategic Cost Management	Semester 1, Semester 2	12.50
ACCT90012 Corporate Reporting	Semester 1, Semester 2	12.50
BISY90009 Managing Information Technology	Semester 1, Semester 2	12.50

People Management

Subject	Study Period Commencement:	Credit Points:
IBUS90004 Cross Cultural Management and Teamwork	March, August	12.50
MKTG90004 Marketing Management	Summer Term, Semester 1, Semester 2	12.50
MGMT90011 Managing Stakeholders	Semester 1	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

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
	<p><i>Information Technology</i></p> <p>Other technical computing subjects can be selected from the MIT as elective subjects. See https://handbook.unimelb.edu.au/view/2015/MC-IT for a list.</p>		
Links to further information:	http://www.msi.unimelb.edu.au		
Related Course(s):	Master of Information Systems		