

MC-SCIINF Master of Science (Information Systems)

Year and Campus:	2012 - Parkville														
CRICOS Code:	062189B														
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.														
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Course Overview:	<p>The Master of Science (Information Systems) is a coursework masters degree incorporating a substantial research project.</p> <p>The Master of Science gives students the opportunity to undertake a substantive research project in a field of choice as well as a broad range of coursework subjects including a professional skills component, as a pathway to PhD study or to the workforce.</p>														
Objectives:	<p>On completion of this course students should have:</p> <ul style="list-style-type: none"> # a comprehensive understanding of the process and practice of research in Information Systems; # a sophisticated understanding of the Information Systems discipline; # completed a substantial piece of original research; and # the necessary skills for further advanced research in Information Systems (e.g. in doctoral studies) 														
Course Structure & Available Subjects:	<p>Students must complete 200 pts including:</p> <ul style="list-style-type: none"> # Discipline Core subjects (12.5 points); # Discipline Elective subjects (between 37.5 and 112.5 points); # Professional Skills subjects (between 25 and 50 points); # Research Project (50 points or 100 points). 														
Subject Options:	<p>Discipline Core</p> <p>Students must take:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ISYS90031 Research Methods in Information Systems</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Discipline Elective</p> <p>Students must select three to nine approved coursework subjects from the following list:</p> <p>IS Skills</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ISYS90026 Fundamentals of Information Systems</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ISYS90031 Research Methods in Information Systems	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	ISYS90026 Fundamentals of Information Systems	Semester 1, Semester 2	12.50
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ISYS90031 Research Methods in Information Systems	Semester 1	12.50													
Subject	Study Period Commencement:	Credit Points:													
ISYS90026 Fundamentals of Information Systems	Semester 1, Semester 2	12.50													

SINF90001 Database Systems & Information Modelling	Semester 1	12.50
ISYS90048 Information Technology Infrastructure	Semester 1	12.50
ISYS90049 Process Analysis Modelling and Design	Semester 1, Semester 2	12.50
ISYS90032 Emerging Technologies and Issues	Semester 2	12.50
ISYS90043 Enterprise Applications & Architectures	Semester 1	12.50

IS Management

Subject	Study Period Commencement:	Credit Points:
ISYS90038 IS Strategy and Governance	Semester 1	12.50
ISYS90045 Professional IS Consulting	Semester 1, Semester 2	12.50
ISYS90050 IT Project and Change Management	Semester 2	12.50
ISYS90051 Impact of Digitisation	Semester 2	12.50

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:
ISYS90034 B2B Electronic Commerce	Semester 2	12.50
ISYS90036 Enterprise Systems	Semester 1	12.50
ISYS90055 Managing IT Outsourcing	Semester 1	12.50
ISYS90068 Service Science	Semester 1	12.50

Business Analytics

Subject	Study Period Commencement:	Credit Points:
BISY90004 Business Intelligence	Semester 2	12.50
MGMT90028 Decision Analysis	Not offered 2012	12.50
SINF90004 Data Warehousing	Semester 1	12.50

Interaction Design

Subject	Study Period Commencement:	Credit Points:
SINF90002 Interaction Design and Usability	Semester 2	12.50
ISYS90035 Knowledge Management Systems	Semester 1	12.50

SINF90007 Pervasive Computing	Semester 1	12.50
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Professional Skills

Students must complete two to four subjects:

Subject	Study Period Commencement:	Credit Points:
MAST90044 Thinking and Reasoning with Data	Semester 1	12.50
MAST90045 Systems Modelling and Simulation	Semester 1	12.50
BUSA90403 Business Tools: Money People & Processes	Semester 2	12.50
BUSA90471 Business Tools: The Market Environment	Semester 1	12.50
SCIE90005 Ethics and Responsibility in Science	Semester 2	12.50
SCIE90007 E-Science	Not offered 2012	12.50
SCIE90012 Science Communication	Semester 2	12.50
MAST90007 Statistics for Research Workers	June	12.50
SCIE90013 Communication for Research Scientists	Not offered 2012	12.50

Research Project

Students will gain research experience in Information Systems (or cognate discipline) by completing a thesis (worth 100% of the overall score) and two oral presentations (hurdle). Students may complete a 50 point Minor Research Project or, with approval from the Course Coordinator, a 100 point Major Research Project. For the Minor Research project, students complete a thesis of no more than 12,000 words - This is the recommended path for most students. Students undertaking the major research project will complete a thesis of no more than 25,000 words - this option can only be undertaken with approval from the Course Coordinator.

Minor Research Project

The minor research project will be taken over three consecutive semesters commencing in the second semester of study and will begin on the Monday of that semester (semesters 1 or 2) (indicative for 2012: Monday 27th February or Monday 23rd July) and continue for up to 66 weeks until the end of the final semester of enrolment, minus recreation leave of between 4 and 8 weeks (22 weeks per semester over the three semesters). Any period of leave within the research project enrolment is to be negotiated with the student's supervisor.

The Research Project will be due for submission at the end of the formal examination period if an earlier date is not specified of the final semester of course enrolment (fourth semester). Students may enrol in a combination of research project subjects and coursework subjects as long as once the Research Project is commenced, the consecutive enrolment requirement is met and to ensure they have completed a total of 50 points for the minor research project by the end of their course.

Students may need to enrol in a subject of the same credit point value more than once which is why there are multiple *Information Systems Research Proj Minor* subjects of the same points value.

Some enrolment examples are provided on the Melbourne Graduate School website - <http://graduate.science.unimelb.edu.au/programs/msc/infosys.php> (<http://graduate.science.unimelb.edu.au/programs/msc/infosys.php>) . Students are encouraged to review these examples to inform their ISIS enrolment.

Subject	Study Period Commencement:	Credit Points:
ISYS90061 Information Systems Research Proj Minor	Semester 1, Semester 2	12.50
ISYS90060 Information Systems Research Proj Minor	Semester 1, Semester 2	25

ISYS90059 Information Systems Research Proj Minor	Semester 1, Semester 2	37.50
ISYS90056 Information Systems Research Proj Minor	Semester 1, Semester 2	50

Major Research Project

The major research project will be taken over three consecutive semesters commencing in the second semester of study and will begin on the Monday of that semester (semesters 1 or 2) (indicative for 2012: Monday 27th February or Monday 23rd July) and continue for up to 66 weeks until the end of the final semester of enrolment, minus recreation leave of between 4 and 8 weeks (22 weeks per semester over the three semesters). This allows students to do Research Methods either before or simultaneous with the start of the project.

Any period of leave within the research project enrolment is to be negotiated with the student's supervisor.

The Research Project will be due for submission at the end of the formal examination period if an earlier date is not specified of the final semester of course enrolment (fourth semester).

Students may enrol in a combination of research project subjects and coursework subjects as long as once the Research Project is commenced, the consecutive enrolment requirement is met and to ensure they have completed a total of 100 points for the major research project by the end of their course.

Students may need to enrol in a subject of the same credit point value more than once which is why there are multiple *Information Systems Research Proj Major* subjects of the same points value.

Some enrolment examples are provided on the Melbourne Graduate School website

- <http://graduate.science.unimelb.edu.au/programs/msc/infosys.php> (<http://graduate.science.unimelb.edu.au/programs/msc/infosys.php>) . Students are encouraged to review these examples to inform their ISIS enrolment.

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

Entry Requirements:

An undergraduate degree with a major in any science discipline, with at least an H3 (65%) in the major, or equivalent.

Quotas may be applied and preference may be given to applicants with evidence of appropriate preparation or potential to undertake research. Entry is subject to the capacity of the department to provide adequate supervision in, and resources for, a research project appropriate to the interests and preparation of the individual student and may be subject to the agreement of a member of academic staff to supervise the project module. Selection is not automatic and, in particular, is subject to competition.

Core Participation Requirements:

The Master of Science (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 Science (Information Systems) requires all students to enrol in subjects where they will require: the ability to comprehend complex science and technology related information; the ability to clearly and independently communicate a knowledge and application of science, and technology principles and practices during assessment tasks; 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:	The Master of Science offers a pathway to a PhD.
Graduate Attributes:	Graduates will: 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 discipline(s); 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; and be able to initiate and implement constructive change in their communities, including professions and workplaces.
Links to further information:	http://graduate.science.unimelb.edu.au/