

MC-SCIINF Master of Science (Information Systems)

Year and Campus:	2013 - 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.
Coordinator:	*This course is being discontinued and will not be admitting students from 2013* Current Master of Science (Information Systems) students intending to graduate with the Master of Science (Information Systems) qualification should contact: Dr Reeva LedermanEmail: reeva.lederman@unimelb.edu.au Master of Science (Information Systems) students intending to transition into the Master of Information Systems course should contact: Dr Wally SmithEmail: wsmith@unimelb.edu.au
Contact:	<p><i>Current Master of Science (Information Systems) students intending to graduate with the Master of Science (Information Systems) qualification should contact:</i></p> <p>Melbourne Graduate School of Science Faculty of Science The University of Melbourne Victoria 3010 Tel: + 61 3 8344 6128 Fax: +61 3 8344 3351 Web: http://graduate.science.unimelb.edu.au/ (http://graduate.science.unimelb.edu.au/)</p> <p>-</p> <p><i>Master of Science (Information Systems) students intending to transition into the Master of Information Systems course should contact:</i></p> <p>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: Email: eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au) Phone: +618344 6944</p>
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:**Discipline Core**

Students must take:

Subject	Study Period Commencement:	Credit Points:
ISYS90031 Research Methods in Information Systems	Not offered 2013	12.50

Discipline Elective

Students must select three to nine approved coursework subjects from the following list:

IS Skills

Subject	Study Period Commencement:	Credit Points:
ISYS90026 Fundamentals of Information Systems	Not offered 2013	12.50
SINF90001 Database Systems & Information Modelling	Not offered 2013	12.50
ISYS90048 Information Technology Infrastructure	Not offered 2013	12.50
ISYS90049 Process Analysis Modelling and Design	Semester 2	12.50
ISYS90032 Emerging Technologies and Issues	Not offered 2013	12.50
ISYS90043 Enterprise Applications & Architectures	Not offered 2013	12.50

IS Management

Subject	Study Period Commencement:	Credit Points:
ISYS90038 IS Strategy and Governance	Semester 1	12.50
ISYS90045 Professional IS Consulting	Not offered 2013	12.50
ISYS90050 IT Project and Change Management	Not offered 2013	12.50
ISYS90051 Impact of Digitisation	Not offered 2013	12.50

IS Project and Change Management

Subject	Study Period Commencement:	Credit Points:
ISYS90037 Managing IS Projects: People & Politics	Not offered 2013	12.50
ISYS90040 Managing Change for IS Professionals	Not offered 2013	12.50
ISYS90052 Managing Large Projects	Not offered 2013	12.50

IT Service Provision

Subject	Study Period Commencement:	Credit Points:
ISYS90034 B2B Electronic Commerce	Not offered 2013	12.50
ISYS90036 Enterprise Systems	Not offered 2013	12.50
ISYS90055 Managing IT Outsourcing	Semester 2	12.50
ISYS90068 Service Science	Not offered 2013	12.50

Business Analytics

Subject	Study Period Commencement:	Credit Points:
BISY90004 Business Intelligence	Not offered 2013	12.50
MGMT90028 Decision Analysis	Not offered 2013	12.50
SINF90004 Data Warehousing	Not offered 2013	12.50

Interaction Design

Subject	Study Period Commencement:	Credit Points:
SINF90002 Interaction Design and Usability	Not offered 2013	12.50
ISYS90035 Knowledge Management Systems	Not offered 2013	12.50
SINF90007 Pervasive Computing	Semester 2	12.50

Professional Skills

Students must complete two to four subjects:

Subject	Study Period Commencement:	Credit Points:
MAST90044 Thinking and Reasoning with Data	Not offered 2013	12.50
MAST90045 Systems Modelling and Simulation	Not offered 2013	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	Not offered 2013	12.50
SCIE90007 E-Science	Not offered 2013	12.50
SCIE90012 Science Communication	Not offered 2013	12.50
MAST90007 Statistics for Research Workers	Not offered 2013	12.50
SCIE90013 Communication for Research Scientists	Semester 1	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 2013: March 4 and July 29) 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.

Subject	Study Period Commencement:	Credit Points:
ISYS90061 Information Systems Research Proj Minor	Not offered 2013	12.50
ISYS90060 Information Systems Research Proj Minor	Not offered 2013	25
ISYS90059 Information Systems Research Proj Minor	Semester 1	37.50
ISYS90056 Information Systems Research Proj Minor	Not offered 2013	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 2013: March 4 and July 29) 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.

Subject	Study Period Commencement:	Credit Points:
ISYS90065 Information Systems Research Proj Major	Not offered 2013	12.50
ISYS90064 Information Systems Research Proj Major	Semester 2	25
ISYS90063 Information Systems Research Proj Major	Not offered 2013	37.50
ISYS90062 Information Systems Research Proj Major	Not offered 2013	50

Entry Requirements:

This course is being discontinued and will not be admitting students from 2013

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/