

MC-IT Master of Information Technology

Year and Campus:	2015 - Parkville
CRICOS Code:	077475F
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:	A/Prof Egemen Tanin email: etanin@unimelb.edu.au
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 Technology (http://www.msi.unimelb.edu.au/study/graduate/master-of-information-technology/)</p>
Course Overview:	<p>The Master of Information Technology (MIT) is a 200-point, 150-point and 100-point program for those interested in a career in technical IT.</p> <p>The key aspects of the course are:</p> <ul style="list-style-type: none"> # Specialisations in key areas of Information Technology, namely: # Foundation studies in programming, algorithmics, databases and networking for students with minimal IT background, including exposure to the different areas of specialisation # Formal studies in project and change management, including risk management, quality assurance and testing. # Optional 25-point industry placement with local IT organisations as part of the course (available on a competitive basis) # A 25-point project, qualifying students to advance to a PhD.
Learning Outcomes:	<p>On completion of this course students should have:</p> <ul style="list-style-type: none"> # Expertise in a key area of information technology # Analytical skills and competencies in problem solving # A sound fundamental understanding of the principles and methods of information technology # Demonstrable competencies in the educational and professional standards of the professional institutions and boards with which the course is accredited # A broad knowledge base of information technology so as to facilitate effective communication with those involved in the IT industry # Have acquired the computational skills necessary to solve theoretical and practical problems for further professional development and for meeting future changes in IT # Verbal and written communication skills that enable them to make a meaningful contribution to changing face of the IT industry # Professional ethics and responsibility towards the IT profession and the broader community
Course Structure & Available Subjects:	<p>200-point program.</p> <p>Students must complete 200 points, made up of 50 points of Foundation subjects, 50 points of Specialisation Subjects and 100 points of Advanced Specialisation Subjects (both based on the specialisation the student is enrolled in).</p> <p>150-point program.</p>

	<p>Students must complete 150 points, made up of 50 points of Specialisation Subjects and 100 points of Advanced Specialisation Subjects (both based on the specialisation the student is enrolled in).</p> <p>100-point program.</p> <p>Students must complete 100 points of Advanced Specialisation Subjects .</p> <p>Please refer to the 200-point, 150-point and 100-point course entry below.</p>					
<p>Majors/Minors/ Specialisations</p>	<table border="1"> <thead> <tr> <th data-bbox="389 412 1487 470">Major/Minor/Specialisation</th> </tr> </thead> <tbody> <tr> <td data-bbox="389 470 1487 528">MIT Spatial Specialisation</td> </tr> <tr> <td data-bbox="389 528 1487 586">MIT Computing Specialisation</td> </tr> <tr> <td data-bbox="389 586 1487 645">MIT Distributed Computing Specialisation</td> </tr> <tr> <td data-bbox="389 645 1487 703">MIT Health Specialisation</td> </tr> </tbody> </table>	Major/Minor/Specialisation	MIT Spatial Specialisation	MIT Computing Specialisation	MIT Distributed Computing Specialisation	MIT Health Specialisation
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<p>Subject Options:</p>	<p>Specialisations are:</p> <p>Computing, Distributed Computing, Health and Spatial</p> <p>All of which can be studied under the different following study options.</p> <p>100 point Master of Information Technology</p> <p>150 point Master of Information Technology</p> <p>200 point Master of Information Technology</p> <p>*</p>					
<p>Entry Requirements:</p>	<ol style="list-style-type: none"> In order to be considered for entry, applicants must have completed: <ul style="list-style-type: none"> undergraduate degree in any discipline with a weighted average mark of at least H3 (65%), or equivalent, and one technical subject focused on computer programming (taken at any tertiary year level). Meeting this requirement does not guarantee selection. In ranking applications, the Selection Committee will consider: <ul style="list-style-type: none"> prior academic performance The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Student Application and Selection Procedure (https://policy.unimelb.edu.au/MPF1034) . Applicants are required to satisfy the university's English language requirements for postgraduate courses. For those applicants seeking to meet these requirements by one of the standard tests approved by the Academic Board, performance band 6.5 (http://about.unimelb.edu.au/academicboard/resolutions) is required. <p>Note.</p> <ul style="list-style-type: none"> Applicants with the following may be awarded up to 50 points of credit: <ul style="list-style-type: none"> a three-year undergraduate degree with a major in Computer Science, Information Technology, Software Engineering or related discipline, with a weighted average mark of at least H3 (65%) or equivalent. Applicants with the following may be awarded up to 100 points of credit: <ul style="list-style-type: none"> a four-year undergraduate degree with a major in Computer Science, Information Technology, Software Engineering or related discipline, with a weighted average mark of at least H3 (65%) or equivalent, and either: <ol style="list-style-type: none"> studies in the area of specialization at an advanced undergraduate level or higher, or two years of documented relevant work experience in the area of specialisation. <p>For more information on meeting the University's English language requirements, see: http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs (http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs)</p>					

Core Participation Requirements:	<p>The Master of Information Technology 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 Technology requires all students to enrol in subjects where they will require: The ability to comprehend complex theory and technology-related information The ability to clearly and independently communicate a knowledge and application of theory, and technology principles and practices during assessment tasks The ability to actively and safely contribute in IT development and management 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/</p>
Further Study:	<p>Graduates may progress to a wide range of other graduate coursework degrees as well as research higher degree programs, including the Doctor of Philosophy.</p>
Graduate Attributes:	<p>Graduates have a specialisation in computing, distributed computing, health IT or spatial IT, as well as a solid foundation in programming, algorithms, complexity, network programming, and database systems, project management, and advanced information technology. Elective subjects are available in areas as diverse as bioinformatics, database systems, enterprise computing, geomatics, information systems, machine intelligence, programming languages, project and change management, security, and software engineering.</p>
Professional Accreditation:	<p>Provisionally accredited by the Australian Computer Society. Full accreditation will be granted when the first cohort of students graduate.</p>
Generic Skills:	<p>Graduates will:</p> <ul style="list-style-type: none"> # 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; and # Be able to initiate and implement constructive change in their communities, including professions and workplaces