

## 499BU Master of Information Technology

<b>Year and Campus:</b>	2011 - Parkville
<b>CRICOS Code:</b>	045361C
<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 12 months full time. This course is available as full or part time.
<b>Coordinator:</b>	Professor Alistair Moffat
<b>Contact:</b>	Melbourne School of Engineering <a href="mailto:courseinfo@eng.unimelb.edu.au">courseinfo@eng.unimelb.edu.au</a> ( <a href="mailto:courseinfo@eng.unimelb.edu.au">mailto:courseinfo@eng.unimelb.edu.au</a> ) <a href="http://www.eng.unimelb.edu.au">http://www.eng.unimelb.edu.au</a> ( <a href="http://www.eng.unimelb.edu.au">http://www.eng.unimelb.edu.au</a> )
<b>Course Overview:</b>	<p>The Master of Information Technology is designed for graduates in engineering and physical sciences seeking professional development and enhancement of their IT knowledge, and also for professionals with background in other disciplines working in the IT industry without formal IT qualifications but with a broad interest in the scientific and engineering applications of the technology.</p> <p>The course design also has the provision to allow exceptional graduates in engineering, physical sciences or a cognate field to acquire research training to proceed to higher degrees by research.</p> <p>The technological understanding and skills presented in the Master of Information Technology are in high demand throughout the computing industry as society is being transformed by the emergence of highly connected, high speed high capacity networks, and a knowledge-based global e-economy.</p> <p>The course allows considerable flexibility, and individuals select their own program from the subjects on offer.</p> <p>The three major strands of study are:</p> <ul style="list-style-type: none"> <li># <b>Internet Software Development</b> Understanding web software technologies and building web applications</li> <li># <b>Intelligent Systems</b> Understanding and developing intelligent systems for business applications</li> <li># <b>E-Business Technologies</b> Understanding and applying technologies to business functions</li> </ul> <p>There is no compulsory thesis component in the program, but a subject is offered in which a student may take on a research project under the supervision of a member of academic staff and document the outcome in a written report.</p>
<b>Objectives:</b>	<p>The program is designed to:</p> <ul style="list-style-type: none"> <li># Provide understanding and expertise in a number of key areas of information technology</li> <li># Provide an introduction to research skills in a selected area</li> <li># Improve analytical skills and competencies in problem solving</li> <li># Improve oral and written communication skills</li> </ul>
<b>Course Structure &amp; Available Subjects:</b>	<p>The recommended or standard course structures are listed below. When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied. Where the courses include elective subjects these should be chosen so that timetable clashes are avoided. In particular, students in combined degrees should plan their courses so that the subjects chosen in the other faculty do not clash with those recommended for the engineering component.</p>

<b>Subject Options:</b>	Please refer to (499-AA) Master of Information Technology
<b>Entry Requirements:</b>	Please refer to (499-AA) Master of Information Technology
<b>Core Participation Requirements:</b>	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: (1) the ability to comprehend complex information technology related information; (2) the ability to clearly and independently communicate a knowledge and application of information technology principles and practices during assessment tasks; and (3) the ability to actively and safely contribute in computer laboratories. 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 are 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>
<b>Graduate Attributes:</b>	Graduate Attributes: Ability to undertake problem identification, formulation, and solution Ability to utilise a systems approach to complex problems and to design and operational performance Capacity for creativity and innovation Ability to manage information and documentation
<b>Generic Skills:</b>	An Engineering graduate has a unique skill set comprising a blend of technical, business and interpersonal skills. Upon completion of the Bachelor of Engineering at the University of Melbourne, students will have strong analytical skills, the ability to lead teams and projects and the creativity to look at problems in a way that provides innovative solutions. Our graduates are known for their high standards and professionalism, their understanding of global issues and their outstanding communication skills. For details, see "Objectives".
<b>Notes:</b>	The program is accredited by the Australian Computer Society (ACS).