352CE Master of Engineering Science (Computer)

Year and Campus:	2011 - Parkville
CRICOS Code:	009726M
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Research Higher Degree
Duration & Credit Points:	Students are expected to complete this research in 1.50 years full time, or equivalent part time. Credit Points: 150
Coordinator:	Professor Alistair Moffatemail: ammoffat@unimelb.edu.au
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Course Overview:	-
Objectives:	On completion of this course graduates should: # Have a sound fundamental understanding of the scientific principles underlying technologyHave acquired the educational and professional standards of the professional institutions with which the school's courses are accredited # Possess a broad knowledge base of their chosen discipline and of other disciplines to facilitate effective communication with those other professionals with whom engineers routinely communicate # Be able to apply the basic principles underlying the management of physical, human and financial resources # Have acquired the mathematical and computational skills necessary for the solution of theoretical and practical problems Possess analytical, problem-solving and design skills, including those appropriate for sustainable developmentHave verbal and written communication skills that enable them to contribute substantially to society # Have acquired lifelong learning skills for further development professionally and for meeting future changes in technology Have acquired a sense of professional ethics and responsibility towards the profession and the communityHave developed the interpersonal and management skills required by engineers in undertaking professional activities; and # Be able to enact the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development
Course Structure & Available Subjects:	-
Subject Options:	- -
Entry Requirements:	There is no further entry into this course from 2010 Students who commenced 4th year in 2010 and have not completed, or have failed the fourth year subjects required, should speak to a course advisor. New pathways to the study of Computer Science and Software Engineering are outlined at **http://www.csse.unimelb.edu.au/future/undergrad.html (http://www.csse.unimelb.edu.au/future/undergrad.html)** Graduate research programs are available in aspects of autonomous and intelligent systems,declarative languages,knowledge discovery, parallel and distributed computing and software engineering. Research areas are outlined at **http://www.csse.unimelb.edu.au/research/strengths.html (http://www.csse.unimelb.edu.au/research/strengths.html)**
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University

	is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Graduate Attributes:	Graduate Attributes:Ability to undertake problem identification, formulation, and solutionAbility to utilise a systems approach to complex problems and to design and operational performanceCapacity for creativity and innovationAbility to manage information and documentation
Generic Skills:	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".