360AA Master of Computer Science (Computing)

Year and Campus:	2013
CRICOS Code:	027564G
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 Moffat
Contact:	Melbourne School of Engineering Ground Floor, Old Engineering (Building 173) Current students: Email: 13MELB@unimelb.edu.au Phone: 13MELB (13 6352) +61 3 9035 5511 Prospective students: Email: eng-info@unimelb.edu.au Phone +61 3 8344 6944
Course Overview:	Research Masters degrees seek to develop graduates who have a capacity for defining and managing a research project characterised by originality and independence. Their training equips them for more sustained and original work at the doctoral level or for applied research positions in a wide variety of contexts.
Objectives:	On completion of this course students 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 communicateBe able to apply the basic principles underlying the management of physical, human and financial resourcesHave 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 societyHave 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 community # Have 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:	Please see a course advisor in the School of Engineering or refer to: **https://handbook.unimelb.edu.au/view/ (../../view/)**
Subject Options:	Please see a course advisor in the School of Engineering.
Entry Requirements:	**There is no further entry into this course.** 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 Computing and Informatin Systems are outlined at **http://www.cis.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.cis.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 solution Ability to utilise a systems approach to complex problems and to design and operational performance Capacity for creativity and innovationAbility to manage information and documentation
Generic Skills:	See course overview.