355SE Bachelor of Engineering (Software Engineering)

Year and Campus:	2013
CRICOS Code:	003626G
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	400 credit points taken over 48 months
Coordinator:	Assoc Prof Tim Baldwin
Contact:	Melbourne School of Engineering Ground Floor, Old Engineering (Building 173) Current Students: Email:**13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)** Phone: 13 MELB (13 6352) +61 3 9035 5511 Prospective Students: Email: **eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au)** Phone: + 61 3 8344 6944
Course Overview:	THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008 Students must complete 400 credit points comprising the core program of discipline subjects.
Objectives:	On completion of this course graduates should: # Have a sound fundamental understanding of the scientific principles underlying technology # Have 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 development # Have 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 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:	**There is no further entry into this course.** Note:The single degree, Bachelor of Engineering (Sotware Engineering), requires the completion of 400 points usually over four years. Student who have not yet completed the requirements of the Bachelor of Engineering degree should see a course advisor.
Subject Options:	NOTE: Student who have not yet completed the requirements of the Bachelor of Computer Science degree should see a course advisor. **Final Year**

Subject	Study Period Commencement:	Credit Points:
SWEN40001 Advanced Software Engineering Project	Not offered 2013	25

Computing and Information Systems (CIS) level-3 or Advanced-level elective(s), 50 points in total

Elective(s) (25 points in total)

The 62.5 points labelled CIS electives must be selected, subject to prerequisites being satisfied, from the level-3, level-4 and, with the approval of the Department, masters-level subjects.

The selection of elective subjects may be restricted by timetable and prerequisite requirements.

Computing and Information Systems Electives Including but not limted to:

Subject	Study Period Commencement:	Credit Points:
COMP30017 Operating Systems and Network Services	Not offered 2013	12.50
COMP30019 Graphics and Interaction	Semester 2	12.50
COMP30021 Theoretical Computer Science	Not offered 2013	12.50
COMP30020 Declarative Programming	Not offered 2013	12.50
COMP30018 Knowledge Technologies	Not offered 2013	12.50
COMP90044 Research Methods	Not offered 2013	12.50
SWEN90002 Engineering for Internet Applications	Not offered 2013	12.50

Electrical Engineering Electives

For Electrical Engineering Electives please refer to **355EE Bachelor of Engineering (Electrical Engineering) (../../view/2012/355EE)**

Entry Requirements:	THERE IS NO FURTHER ENTRY INTO THIS COURSE
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 innovation Ability to manage information and documentation
Professional Accreditation:	Accreditation has been received from: Engineers Australia Australian Computer Society
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".