

955SE Bachelor of Engineering (Software) and Bachelor of Commerce

Year and Campus:	2014
CRICOS Code:	009724B
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	500 credit points taken over 60 months
Coordinator:	Associate Professor Shanika Karunasekera
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: 13 MELB (13 6352) +61 3 9035 5511</p>
Course Overview:	<p>The combined BE(IT)/BCom and BE/BCom course in Engineering (Software Engineering) and Commerce, must satisfy the following requirements:</p> <ul style="list-style-type: none"> # All requirements of the chosen stream of the BE(IT) or BE course must be satisfied, except that the requirement for physics is waived. For the software engineering stream the requirement for 431-202 Engineering Analysis B is also waived. However, students in the computer and electrical streams are strongly encouraged to complete 640-142 Physics B as an additional elective, as a number of the level-3 and level-4 elective subjects in electrical engineering require physics as a prerequisite. Students must complete a total of 300 engineering points. # The remaining elective subjects to make up 400 points for the award of the engineering degree, including the non-technical requirements of the computer and electrical engineering streams, are credited from the commerce subjects undertaken. # A total of 200 commerce points must be completed. # Students should consult the Commerce Student Centre (http://www.csc.unimelb.edu.au/) for advice regarding Commerce subject selection. <p>Typical course plans for the three engineering streams of this combined degree appear below.</p>
Learning Outcomes:	<p>On completion of this course graduates should:</p> <ul style="list-style-type: none"> # 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:	Students who enrolled prior to 2008 should refer to https://handbook.unimelb.edu.au/view/2008/955-SE (../view/2008/955-SE)
Subject Options:	<p><i>The last intake for this course was in 2007. Students still enrolled in this course need to seek specific personalised advice from a Course Adviser on the requirements necessary to complete the degree</i></p> <p>The combined degree of Bachelor of Engineering (software)/Bachelor of Commerce requires a total of 500 points over five years. Students are required to complete 300 points of Engineering subjects and 200 points of Commerce subjects. Students should consult the Commerce Student Centre (http://www.csc.unimelb.edu.au/) for advice regarding Commerce subject selection</p>
Entry Requirements:	There is not further entr entry into this course.
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University 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 University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>
Further Study:	-
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