985EE Bachelor of Engineering (Electrical Engineering)/Bachelor of Science

Year and Campus:	2013
CRICOS Code:	009725A
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:	Prof.Ampalavanapillai Nirmalathas
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**
Objectives:	Completing the Electrical Engineering degree will enable students to rigorously integrate the mathematics of signals, systems and information with the science of electrical phenomena, in the formulation and solution of problems in areas such as telecommunications, monitoring and automation, energy distribution, and digital computing. We aim to develop: scientific understanding of electrical phenomena as a basis for mathematical modelling and abstraction in analysis and design; problem-solving and design skills; the ability to construct simulations and laboratory experiments; and good communication skills.
Course Structure & Available Subjects:	All students in the combined degree Bachelor of Engineering/Bachelor of Science are required to complete 237.5 science points, which must include: # between 75 and 125 points at Level 1; # completion of 50 points of a prescribed science major at Level 3. Detailed information on the science majors available is contained within the Handbook entry for the **Bachelor of Science course 755BB (../../view/current/%21755-BB-SPC%2B1000)** . A full list of subjects available for science credit for the BE/BSc; **https://handbook.unimelb.edu.au/view/current/%21755-BB-SPC%2B1000 (../../view/current/%21755-BB-SPC%2B1000)** With regard to the science component note that: # There are no specific requirements at Level 2. # The engineering component may require the completion of specific science subjects (e.g. at first year level). These subjects are detailed in the requirements of the various engineering streams. # A science major in computer science is not available to students undertaking the Software Engineering stream in the BE. These students will be required to undertake a major in an alternative science discipline (e.g. mathematics and statistics). # Students will not normally be permitted to complete more than 237.5 science points. Bachelor of Engineering/Bachelor of Science students who require advice on an appropriate subject selection to complete a specific science major should contact the EPSC.
Subject Options:	THERE IS NO FURTHER ENTRY INTO THIS COURSE

	Note: The double degree, Bachelor of Engineering (Electrical Engineering)/Bachelor of Science, requires the completion of 500 points usually over five years. Student who have not yet completed the requirements of the Bachelor of Engineering degree should see a course advisor. Final year Subjects as for the final year of the single **BE(Electrical Engineering-355EE) or BE (IT) program (../../view/2012/355EE)** , including 25 points of non-technical electives, 100 points. Students taking the combined course in computer science with Electrical/Computer Engineering,and have not completed the Project Work (ELEN40001 or 431-400) should note that they are required to enrol in ELEN90067 Electrical Engineering Capstone Project.
Entry Requirements:	There is no further entry into this combined 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/
Further Study:	On completion of a Bachelor of Engineering, students may choose to apply for candidature in a masters by research or PhD degree. They may also apply to undertake a one year Advanced Masters coursework degree.
Graduate Attributes:	The Bachelor of Engineering delivers on the University graduate attributes.
Professional Accreditation:	The Bachelor of Engineering is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited these programs.
Generic Skills:	Completing the Electrical Engineering degree will enable students to rigorously integrate the mathematics of signals, systems and information with the science of electrical phenomena, in the formulation and solution of problems in areas such as telecommunications, monitoring and automation, energy distribution, and digital computing. We aim to develop: scientific understanding of electrical phenomena as a basis for mathematical modelling and abstraction in analysis and design; problem-solving and design skills; the ability to construct simulations and laboratory experiments; and good communication skills.