

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

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Contact:	<p>Engineering Student Centre Ground Floor, Old Engineering Building The University of Melbourne Victoria 3010 AUSTRALIA</p> <p>Tel: +61 3 8344 6703 Fax: +61 3 9349 2182</p> <p>Email http://eng-unimelb.custhelp.com (http://eng-unimelb.custhelp.com/)</p>
Course Overview:	<p>THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008</p> <p>Students enrolled in the BE/BSc and the BE(IT)/BSc, planning to undertake a science major in computer science, may take this accelerated sequence of subjects in order to maximise their choice of computer or electrical engineering electives in their final two years of study.</p>
Objectives:	-
Course Structure & Available Subjects:	<p>The standard BE/BSc combined degrees require a total of 500 points, within which students must take a minimum of 300 engineering points and 237.5 science points. The total points of a standard course can be kept to 500 as at least 50 points of core material within the various streams of engineering also earn science points.</p> <p>BE/BSc course structure</p> <p>To satisfy course requirements students must:</p> <p>take the set of core engineering subjects prescribed for the branch of engineering being studied. This will include the professional study requirements in one of chemical engineering, civil engineering, environmental engineering, mechanical engineering; and either electrical, computer or software engineering;</p> <p>accumulate a minimum of 237.5 science points, which must include:</p> <p>between 75 and 125 points at 100-level;</p> <p>completion of 50 points of a prescribed science major at the 300-level. Detailed information on the science majors available is contained within the course entry for the Bachelor of Science (<u>course code 755-BB (/view/2008/755-BB)</u>)</p> <p>With regard to the science component note that:</p> <p>There are no specific requirements at the 200-level.</p> <p>Science points are awarded for the completion of science subjects listed in the Faculty of Science section of this Handbook. The majority of subjects listed in this section earn science credit, although there are exceptions. Some subjects offered by the Department of Information Systems, Department of Mathematics and Statistics, and School of Earth Sciences do not earn science credit. If a subject does not earn science credit it is labelled as non-science in the subject description. Any subject that does not appear in the science section of this Handbook is a non-science subject.</p> <p>The engineering component may require the completion of specific (generally 100-level) science subjects. These subjects are detailed in the requirements of the various engineering courses that follow in the departmental entries.</p> <p>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).</p> <p>Students will not normally be permitted to complete more than 237.5 science points.</p>

	<p>Selection of science subjects</p> <p>Students are normally able to enrol in any subjects earning science credit where they have satisfied the prerequisite and corequisite requirements. These requirements are included in individual subject descriptions. Note that some science subjects are quota-restricted as the demand for the subject exceeds the number of places available. Selection into quota subjects is based on academic merit. Refer to the Faculty of Science section Quota subjects</p> <p>Students who commenced prior to 1999</p> <p>Students who first enrolled in the combined engineering/science course before 1999 must complete the requirements set out above with the exception that they do not need to complete a prescribed science major, but rather 50 points at 300-level made up of science subjects of their choice.</p>																														
<p>Subject Options:</p>	<p>Note: Students who commenced 2nd year in 2008 who have not completed, (or who have failed), the second year subjects required in the Bachelor of Engineering degree please see a course adviser.</p> <p>Third year</p> <p>Semester 1</p> <table border="1" data-bbox="387 714 1485 976"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>433-253 Algorithms and Data Structures</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>620-231 Vector Calculus</td> <td>Semester 1, Semester 2</td> <td>12.500</td> </tr> <tr> <td>431-325 Stochastic Signals and Systems</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>OR</p> <table border="1" data-bbox="387 1005 1485 1151"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>620-201 Probability</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>AND Electrical Engineering elective 12.5 points</p> <p>Semester 2</p> <table border="1" data-bbox="387 1209 1485 1471"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>431-327 Communication Systems</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>431-330 Design Laboratory</td> <td>Semester 1, Semester 2</td> <td>12.500</td> </tr> <tr> <td>433-295 Discrete Structures</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>AND Electrical engineering elective 12.5</p> <p>Fourth year CSSE 300-level subjects 87.5 Electrical engineering elective 12.5</p> <p>Fifth year Subjects as for the final year of the single computer or electrical BE or BE (IT) program, including 25 points of non-technical electives. 100 points</p> <p>Students taking the combined course in computer science with computer engineering should note that they are required to enrol in 431-400 Project Work, to ensure breadth in the combined degree.</p>	Subject	Study Period Commencement:	Credit Points:	433-253 Algorithms and Data Structures	Semester 1	12.500	620-231 Vector Calculus	Semester 1, Semester 2	12.500	431-325 Stochastic Signals and Systems	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	620-201 Probability	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	431-327 Communication Systems	Semester 2	12.500	431-330 Design Laboratory	Semester 1, Semester 2	12.500	433-295 Discrete Structures	Semester 2	12.500
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<p>Entry Requirements:</p>	<p>There is no further entry into this combined course.</p>																														
<p>Core Participation Requirements:</p>	<p>-</p>																														
<p>Further Study:</p>	<p>-</p>																														