

# 955-CE Bachelor of Engineering (Computer) and Bachelor of Commerce

<b>Year and Campus:</b>	2009												
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>												
<b>Level:</b>	Undergraduate												
<b>Duration &amp; Credit Points:</b>													
<b>Contact:</b>	<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 <a href="http://eng-unimelb.custhelp.com">http://eng-unimelb.custhelp.com</a> (<a href="http://eng-unimelb.custhelp.com/">http://eng-unimelb.custhelp.com/</a>)</p>												
<b>Course Overview:</b>	<p><b>THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008</b></p> <p>The combined BE(IT)/BCom and BE/BCom course in engineering (computer) and commerce, must satisfy the following requirements:</p> <ul style="list-style-type: none"> <li># 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 300-level and 400-level elective subjects in electrical engineering require physics as a prerequisite. Students must complete a total of 300 engineering points.</li> <li># 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.</li> <li># A total of 200 commerce points must be completed. These include the five compulsory subjects 316-101 Introductory Macroeconomics, 316-102 Introductory Microeconomics, 316-130 Quantitative Methods 1, 325-201 Organisational Behaviour (students who commenced Bachelor of Commerce double degree in 2005 are not required to complete this subject) and at least one of 316-206 Quantitative Methods or 316-205 Introductory Econometrics or 325-210 Managerial Decision Analysis or 325-212 Market Research; at least 50 points at 100-level; and at least 50 points at 300-level (these must be completed at The University of Melbourne).</li> </ul> <p>Students are required to complete a total of 500 points in Bachelor of Engineering (Civil)/ Bachelor of Commerce degree</p> <p>Typical course plans for the three engineering streams of this combined degree appear below.</p>												
<b>Objectives:</b>	-												
<b>Subject Options:</b>	<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><b>Third year</b></p> <p><b>Semester 1</b></p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>431-201 Engineering Analysis A</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>431-204 Digital Systems 2: System Design</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>431-210 Electrical Circuits 2</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>Subject from other degree as required 12.5 points</p>	Subject	Study Period Commencement:	Credit Points:	431-201 Engineering Analysis A	Semester 1	12.500	431-204 Digital Systems 2: System Design	Semester 1	12.500	431-210 Electrical Circuits 2	Semester 1	12.500
Subject	Study Period Commencement:	Credit Points:											
431-201 Engineering Analysis A	Semester 1	12.500											
431-204 Digital Systems 2: System Design	Semester 1	12.500											
431-210 Electrical Circuits 2	Semester 1	12.500											

**Semester 2**

Subject	Study Period Commencement:	Credit Points:
620-293 Engineering Mathematics	Summer, Semester 1, Semester 2	12.500
431-222 Electronic Circuit Design 1	Semester 2	12.500
431-221 Fundamentals of Signals and Systems	Semester 2	12.500

Subject from other degree as required 12.5 points

**Fourth year  
Semester 1**

Subject	Study Period Commencement:	Credit Points:
431-325 Stochastic Signals and Systems	Semester 1	12.500
433-252 Software Engineering Principles & Tools	Semester 1	12.500
433-253 Algorithms and Data Structures	Semester 1	12.500

Subject from other degree as required 12.5 points

**Semester 2**

Subject	Study Period Commencement:	Credit Points:
431-328 Digital Systems 3: Circuits and Systems	Semester 2	12.500
433-294 Object Oriented Software Development	Semester 2	12.500
431-330 Design Laboratory	Semester 1, Semester 2	12.500

Subject from other degree as required 12.5 points

**Fifth year  
Year long**

Subject	Study Period Commencement:	Credit Points:
431-400 Project Work	Year Long	25.000

**Semester 1**

Subject	Study Period Commencement:	Credit Points:
433-332 Operating Systems	Semester 1	12.500

Subject from other degree as required 25 points

**Semester 2**

Subject	Study Period Commencement:	Credit Points:
431-467 Digital Systems 4: High Speed Systems	Semester 2	12.500
433-313 Computer Design	Semester 2	12.500
433-353 Networks and Communications	Semester 2	12.500

Subject from other degree as required 12.5 points

**Entry Requirements:**

There will be no further entry into this combined course.

<b>Core Participation Requirements:</b>	-
<b>Further Study:</b>	-