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

Year and Campus:	2008
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Contact:	-
Course Overview:	The combined BE(IT)/BCom and BE/BCom course in engineering (software engineering) and commerce, must satisfy the following requirements: # 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. # 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. These include the five compulsory subjects 316-101 Introductory Macroeconomics, 316-102 Introductory Microeconomics, 316-130 Quantitative Methods 1, 325-201 Organisational Behaviour and 316-205 Introductory Econometrics; at least 50 points at 100-level; and at least 50 points at 300-level. Typical course plans for the three engineering streams of this combined degree appear below.
Objectives:	-
Subject Options:	THERE WILL BE NO FIRST YEAR ENTRY INTO THIS DEGREE IN 2008 **Second year** **Semester 1** 431-102 Digital Systems 1: Fundamentals 12.5 Subjects from other degree as required 37.5 **Semester 2** 433-152 Algorithmic Problem Solving (Advanced) 12.5 or 433-172 Algorithmic Problem Solving 12.5 Subjects from other degree as required 37.5 **Third year** **Semester 1** 431-204 Digital Systems 2: System Design 12.5 433-252 Software Engineering Principles & Tools 12.5 433-253 Algorithms and Data Structures 12.5 Subject from other degree as required 12.5 **Semester 2** 431-201 Engineering Analysis A 12.5 433-254 Software Design 12.5 433-255 Logic and Computation 12.5 Subject from other degree as required 12.5 **Fourth year** **Year-long** 433-340 Software Engineering Project 25 **Semester 1** 433-341 Software Engineering Process & Practice 12.5 CSSE 300-level elective 12.5 Subject from other degree as required 12.5 **Semester 2** 433-342 Software Engineering Methods 12.5 433-343 Professional Issues in Computing 12.5

	Subject from other degree as required 12.5 **Fifth year** **Year-long** 433-440 Advanced Software Engineering Project 25 **Semester 1** 433-443 Software Project Management 12.5 CSSE 300-level and 400-level elective 12.5 Subject from other degree as required 12.5 **Semester 2** CSSE 300-level and 400-level electives 25 Subject from other degree as required 12.5 The 50 points labelled CSSE electives must be selected, subject to prerequisites being satisfied, from the 300-level, 400-level and (with the approval of the department) masters-level subjects offered by the Department of Computer Science and Software Engineering and must include at least 37.5 points selected from: 433-332 Operating Systems, 433-351 Database Systems, 433-353 Networks and Communications, 433-371 Interactive System Design, 433-441 System Modelling and Analysis. Subject 615-335 Distributed Systems may also be taken as a CSSE option. The selection of elective subjects may be restricted by timetable and prerequisite requirements. Students who commenced before 2004 may replace 433-342 with one of 433-332, 433-351, 433-353, 433-371, 433-441. Note that in 2005 the Department of Computer Science and Software Engineering introduced restrictions to the computing subjects offered by other departments, which can be taken as electives in the BCS, BE (Software), BE (Eng Mgt) Software and BE (Biomedical) Bioinformatics programs. Students are advised to visit http://www.csse.unimelb.edu.au/courseadvice/ugrad/planning/electives/computing/ when choosing their subjects.
Entry Requirements:	-
Core Participation Requirements:	-
Further Study:	-