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

Year and Campus:	2010 - Parkville
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 full time. This course is available as full or part time.
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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 (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 2 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). Typical course plans for the three engineering streams of this combined degree appear below.
Objectives:	-
Course Structure & Available Subjects:	-
Subject Options:	Note: The course structure outlined below is provided for students who commenced the Bachelor of Engineering prior to 2008. Students who commenced the program in 2008 or 2009 should refer to the revised Bachelor of Engineering (355-AA) course description available **here (/view/2009/355)** . Note: Students who commenced 3rd year in 2009 and have not completed, (or who have failed), the third year subjects required in the Bachelor of Engineering degree please see a course adviser. **Fourth year** **Semester 1** 433-428 Software Processes and Management 12.5 433-320 Software Modelling and Design 12.5 CSSE 300-level elective 12.5

Subject from other degree as required 12.5
Semester 2

433-328 Software Engineering Project 12.5

433-429 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
CSSE 300-level or 400-level elective 25
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 62.5 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 and must include at least 37.5 points selected from: 433-332 Operating Systems or equivalent , 433-351 Database Systems or equivalent , 433-353 Networks and Communications or equivalent , 433-371 Interactive System Design or equivalent and 433-441 System Modelling and Analysis. 433-643 IT Project Management is strongly recommended. 12.5 points of other elective subjects may be used for additional computer science or electrical engineering subjects. The selection of elective subjects may be restricted by timetable and prerequisite requirements.

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 the Engineering Student Centre Community in LMS for details when choosing their subjects.

Entry Requirements:	There will be no further entry into this 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:	-
Graduate Attributes:	The Bachelor of Engineering is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited these programs.The Bachelor of Engineering also delivers on the University graduate attributehttp://www.unimelb.edu.au/about/attributes.html