680CE Bachelor of Engineering (EngineeringManagement) Computer

Year and Campus:	2010
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Coordinator:	A/ Prof Jamie Evans
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Course Overview:	**THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008** The course structure below represents the core content for the Computer Engineering specialisation within the BE (Engineering Management) degree. All students should check that they have taken the listed subjects, or equivalent. When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied.
Objectives:	Completing the Computer Engineering Management 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:	-
Subject Options:	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. The following Third year Engineering subjects are available in 2010

Subject	Study Period Commencement:	Credit Points:
ELEN30002 Stochastic Signals and Systems	Semester 1	12.50
ELEN30007 Electronic Circuit Design 2	Semester 1	12.50
ELEN30011 Electrical Device Modelling	Semester 2	12.50
ELEN30005 Fields and Transmission Lines	Semester 1	12.50

	ELEN30013 Electronic System Implementation	Semester 2	12.50

Credit may not be obtained for :
both 431-305 Electronic System Implementation and 431-330 Design laboratory
both 431-303 Electrical Device Modelling and 431-328 Digital Systems 3.
Fourth year
Subjects listed below MUST be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
ELEN40001 Project Work	Year Long	25
ENGM40001 Management for Engineers 3	Semester 1	12.50
COMP30017 Operating Systems and Network Services	Semester 1	12.50

Commerce 200-level or 300-level subject (12.5 points)

*Students must seek course advice to study 421-405 Management for Engineers 3.

Semester 2

Subject	Study Period Commencement:	Credit Points:
ELEN40010 Digital Systems 4: High Speed Systems	Semester 2	12.50

433-3XX level Approved electives (two subjects each worth 12.5)

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/
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 attribute
Generic Skills:	An Engineering graduate has a unique skill set comprising a blend of technical, business and interpersonal skills. Upon completion of the Bachelor of Engineering at the University of Melbourne, students will have strong analytical skills, the ability to lead teams and projects and the creativity to look at problems in a way that provides innovative solutions. Our graduates are known for their high standards and professionalism, their understanding of global issues and their outstanding communication skills. For details, see “Objectives”.