679BC Bachelor of Engineering (Biomedical)Biocellular

Year and Campus:	2010 - Parkville
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	400 credit points taken over 48 months full time. This course is available as full or part time.
Coordinator:	Dr David Grayden
Contact:	Melbourne School of Engineering Building 173, Grattan Street The University of Melbourne VIC 3010 Australia General Telephone Enquiries + 61 3 8344 6703 + 61 3 8344 6507 Facsimiles + 61 3 9349 2182 + 61 3 8344 7707 Email**eng-info@unimelb.edu.au (../../..//)**
Course Overview:	The course structure below represents the core content for the last year of the BE (Biomedical Engineering) degree. All students should check that they are enrolled in the subjects listed, as appropriate to the stream of Biomedical Engineering that they have selected. For further information and up-to-date course advice, students should regularly check the Melbourne School of Engineering website **http://www.eng.unimelb.edu.au (http://www.eng.unimelb.edu.au)** 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 these 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:	-
Course Structure & Available Subjects:	Students must complete 400 credit points comprising the core program of disipline subjects.
Subject Options:	THERE WILL BE NO FIRST, SECOND OR THIRD YEAR ENTRY INTO THIS COURSE FROM 2010. STUDENTS WHO HAVE FAILED A SUBJECT MUST SEE A COURSE ADVISER FOR PLANNING. **Fourth Year** Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
BMEN40001 Biocellular Engineering Research Proj 1	Semester 1, Semester 2	12.50
CHEN40006 Chemical Engineering Management	Semester 1	12.50
CHEN40003 Reactor Engineering	Semester 1	12.50

Students can choose between either of these subjects

Subject	Study Period Commencement:	Credit Points:
BCMB30003 Molecular Aspects of Cell Biology	March	12.50

	PHYS30005 Muscle and Exercise Physiology	Semester 1	12.50

Semester 2

Subject	Study Period Commencement:	Credit Points:
BMEN40002 Biocellular Engineering Research Proj 2	Semester 1, Semester 2	25
BMEN40004 Biomedical Design & Regulation	Semester 2	12.50
BMEN40003 Biocellular Engineering Dsgn Principles	Semester 2	12.50

Entry Requirements:	There will be no further entries to this course
Core Participation Requirements:	For the purpose of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this course 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 sepcial 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:	On completion of the Bachelor of Engineering, students may choose to apply for candidature in a Masters by Research or PhD degree. They may also apply to undertake a one year Advanced Masters by Coursework degree.
Graduate Attributes:	The Bachelor of Engineering is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited this program. The Bachlor of Engineering also delivers on the University graduate attributes. http://www.unimelb.edu.au/about/attributes.html
Professional Accreditation:	This course is accredited with Engineers Australia
Generic Skills:	Upon completion of this course the student should have developed their: # Ability to apply knowledge of science and engineering fundamentals # Ability to undertake problem identification, formulation and solution # Ability to utilise a systems approach to complex problems and to design and operational performance # Proficiency in engineering design # Ability to communicate effectively, with the engineering team and with the community at large # Capacity for creativity and innovation # Ability to function effectively as an individual and in a multidisciplinary and multicultural teams, as a team leader or manager as well as an effective team member # Capacity for lifelong learning and professional development