

679-BI Bachelor of Engineering (Biomedical)Bioinformatics

Year and Campus:	2009																																		
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																																		
Level:	Undergraduate																																		
Duration & Credit Points:																																			
Contact:	-																																		
Course Overview:	<p>The course structure below represents the core content for the last three years of the BE (Biomedical Engineering) degree. For further information and up-to-date course advice, students should regularly check the Faculty of Engineering web page at http://www.bme.unimelb.edu.au.</p> <p>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.</p>																																		
Objectives:	-																																		
Subject Options:	<p>THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008.</p> <p>Note: Students who commenced 2nd year in 2008 who have not completed (or who have failed), the second year subjects required in this course, MUST see a Course Adviser</p> <p>Third Year</p> <p>Subjects listed below MUST be taken in this approved order, regardless of semester availability.</p> <p>Semester 1</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>436-386 Biomaterials</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>433-297 Programming the Machine</td> <td>Semester 1, Semester 2</td> <td>12.500</td> </tr> <tr> <td>433-253 Algorithms and Data Structures</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>Elective (12.5 points)</p> <p>Semester 2</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>436-387 Cellular & Tissue Biomechanics</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>433-294 Object Oriented Software Development</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>433-295 Discrete Structures</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>Elective (12.5 points)</p> <p>Fourth Year</p> <p>Subjects listed below MUST be taken in this approved order, regardless of semester availability.</p> <p>Semester 1</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>433-464 Project Work</td> <td>Year Long</td> <td>25.000</td> </tr> <tr> <td>433-451 Computational Genomics</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table>		Subject	Study Period Commencement:	Credit Points:	436-386 Biomaterials	Semester 1	12.500	433-297 Programming the Machine	Semester 1, Semester 2	12.500	433-253 Algorithms and Data Structures	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	436-387 Cellular & Tissue Biomechanics	Semester 2	12.500	433-294 Object Oriented Software Development	Semester 2	12.500	433-295 Discrete Structures	Semester 2	12.500	Subject	Study Period Commencement:	Credit Points:	433-464 Project Work	Year Long	25.000	433-451 Computational Genomics	Semester 1	12.500
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	433-341 Software Engineering Process & Practice	Semester 1	12.500
Elective (12.5 points) - <i>421-457 Modelling Pharmacokinetics and Dynamics recommended.</i>			
Semester 2			
	Subject	Study Period Commencement:	Credit Points:
	433-464 Project Work	Year Long	25.000
	433-450 Computational Gene Expression	Not offered 2009	12.500
	421-449 Biomedical Design & Regulation	Semester 2	12.500
Elective (12.5 points)			
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>		