

## 679-BC Bachelor of Engineering (Biomedical)Biocellular

<b>Year and Campus:</b>	2009																																								
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>																																								
<b>Level:</b>	Undergraduate																																								
<b>Duration &amp; Credit Points:</b>																																									
<b>Contact:</b>	-																																								
<b>Course Overview:</b>	<p>The course structure below represents the core content for the last three years 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 Faculty of Engineering web page at <a href="http://www.bme.unimelb.edu.au">http://www.bme.unimelb.edu.au</a>.</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>																																								
<b>Objectives:</b>	-																																								
<b>Subject Options:</b>	<p>THERE WILL BE NO FIRST OR SECOND YEAR ENTRY INTO THIS COURSE FROM 2009.</p> <p><b>Third Year</b></p> <p>Subjects listed below <b>MUST</b> be taken in this approved order, regardless of semester availability.</p> <p><b>Semester 1</b></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>531-301 Cellular Basis of Disease</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>OR</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>526-301 Microbial Cells and Genomes</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>534-301 Cellular and Molecular Pharmacology</td> <td>Semester 1</td> <td>25.000</td> </tr> </tbody> </table> <p><b>Semester 2</b></p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>411-336 Process Dynamics and Control</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>411-391 Bionanoengineering</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>411-394 Tissue Engineering</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>436-387 Cellular &amp; Tissue Biomechanics</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p><b>Fourth Year</b></p> <p>Subjects listed below <b>MUST</b> be taken in this approved order, regardless of semester availability.</p> <p><b>Semester 1</b></p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Subject	Study Period Commencement:	Credit Points:	436-386 Biomaterials	Semester 1	12.500	531-301 Cellular Basis of Disease	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	526-301 Microbial Cells and Genomes	Semester 2	12.500	534-301 Cellular and Molecular Pharmacology	Semester 1	25.000	Subject	Study Period Commencement:	Credit Points:	411-336 Process Dynamics and Control	Semester 2	12.500	411-391 Bionanoengineering	Semester 2	12.500	411-394 Tissue Engineering	Semester 2	12.500	436-387 Cellular & Tissue Biomechanics	Semester 2	12.500	Subject	Study Period Commencement:	Credit Points:			
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	411-454 Biocellular Engineering Research Proj 1	Semester 1, Semester 2	12.500
	411-443 Chemical Engineering Management	Semester 1	12.500
	411-433 Reactor Engineering	Semester 1	12.500
	421-457 Modelling Pharmacokinetics & Dynamics	Not offered 2009	12.500
	<b>Semester 2</b>		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	411-455 Biocellular Engineering Research Proj 2	Semester 1, Semester 2	25.000
	421-449 Biomedical Design & Regulation	Semester 2	12.500
	411-456 Biocellular Engineering Dsgn Principles	Semester 2	12.500
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>		