

679BM Bachelor of Engineering (Biomedical) Biomechanics

Year and Campus:	2012																								
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																								
Coordinator:	Assoc Prof. David Grayden																								
Contact:	<p>Melbourne School of Engineering Ground Floor, Old Engineering (Building 173)</p> <p>Current students: Email: 13MELB@unimelb.edu.au (https://mce_host/faces/htdocs/13MELB@unimelb.edu.au) Phone: 13MELB (13 6352) +61 3 9035 5511</p> <p>Prospective students: Email: eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au) Phone +61 3 8344 6944</p>																								
Course Overview:	<p>THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008</p> <p>Students who have not yet completed the requirements of this course should speak to a the course coordinator. The following final year subjects are available in 2012.</p>																								
Objectives:	See course overview.																								
Course Structure & Available Subjects:	Students must complete 400 credit points comprising the core program of discipline subjects. Student who have not yet completed the requirements of the Bachelor of Engineering (Biomechanics) degree should see the course coordinator .																								
Subject Options:	<p>THERE IS NO FURTHER ENTRY INTO THIS COURSE:</p> <p>Final Year</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MCEN90022 Capstone Project</td> <td>Year Long, Semester 1, Semester 2</td> <td>25</td> </tr> <tr> <td>ELEN90055 Control Systems</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MCEN90010 Finance & Human Resources for Engineers</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BMEN90020 Biomedical Design and Regulation</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MCEN90008 Fluid Dynamics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>MCEN90015 Thermodynamics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BMEN90022 Computational Biomechanics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	MCEN90022 Capstone Project	Year Long, Semester 1, Semester 2	25	ELEN90055 Control Systems	Semester 1	12.50	MCEN90010 Finance & Human Resources for Engineers	Semester 1	12.50	BMEN90020 Biomedical Design and Regulation	Semester 1	12.50	MCEN90008 Fluid Dynamics	Semester 2	12.50	MCEN90015 Thermodynamics	Semester 1	12.50	BMEN90022 Computational Biomechanics	Semester 2	12.50
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Entry Requirements:	There is no further entry into this course																								
Core Participation Requirements:	For the purposes of considering a request for Reasonable Adjustments under the Disability Standards for Education (Cwlth 2005), and Studetns 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 special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit Web site: 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 Bachelor 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: <ul style="list-style-type: none"> # 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
Notes:	Credit may not be obtained for both MCEN30004 Thermofluids 2 and MCEN90008 Fluid Dynamics MCEN30004 Thermofluids 2 and MCEN90015 Thermodynamics BMEN40004 Biomedical Design and Regulation and BMEN90020 Biomedical Design and Regulation