

355AF Bachelor of Engineering (Mechanical and Manufacturing Engineering)

Year and Campus:	2012								
CRICOS Code:	003626G								
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:	A/Prof Peter Lee pvlee@unimelb.edu.au								
Contact:	<p>Melbourne School of Engineering Ground Floor, Old Engineering (Building 173)</p> <p>Current students: Email: 13MELB@unimelb.edu.au Phone: 13MELB (13 6352) +61 3 9035 5511</p> <p>Prospective students: Email: 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 course adviser.</p> <p>New pathways to the study of Mechanical Engineering are outlined at http://www.mech.unimelb.edu.au/future/undergrad.html (http://www.mech.unimelb.edu.au/future/undergrad.html)</p> <p>Graduate research programs are available in aspects of mechanical, mechatronics, manufacturing and bioengineering. The department is internationally regarded in fluid mechanics, advanced automotive engineering technology, machine dynamics, mechatronics and biomedical engineering.</p>								
Objectives:	N/A								
Course Structure & Available Subjects:	<p>The recommended or standard course structures for students who commenced the course prior to 2008 are listed below. 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. Where the courses include elective subjects these should be chosen so that timetable clashes are avoided.</p>								
Subject Options:	<p>The following 4th year subjects are available in 2012.</p> <p><u>MCEN90022 Capstone Project</u> (../view/2012/MCEN90022) , Year Long, Semester 1 or 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>MCEN90029 Advanced Solid Mechanics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	MCEN90029 Advanced Solid Mechanics	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:							
MCEN90029 Advanced Solid Mechanics	Semester 2	12.50							

	MCEN90019 Advanced Thermodynamics	Semester 2	12.50
	ELEN90064 Advanced Control Systems	Semester 2	12.50
Electives			
	Subject	Study Period Commencement:	Credit Points:
	MCEN40002 Optimisation	Not offered 2012	12.50
	MGMT20004 Human Resource Management	Semester 1, Semester 2	12.50
	MKTG10001 Principles of Marketing	Summer Term, Semester 1, Semester 2	12.50
	MGMT20002 Managing Operations	Summer Term, Semester 1	12.50
	MCEN90023 Quality and Reliability	Semester 2	12.50
	MCEN90020 Advanced Materials	Semester 2	12.50
	MCEN90031 Applied High Performance Computing	Semester 2	12.50
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 http://www.unimelb.edu.au/about/attributes.html		
Notes:	<p>Pre-requisite requirements and not allowed subject/s should be checked before selecting any subject.</p> <p>Credit may not be obtained for -</p> <p>both 436201 Thermofluids 1 and MCEN30015 Thermofluids both 436353 Mechanics 2 and MCEN30016 Mechanical Dynamics both 436285 Design & Materials 1 and MCEN30017 Mechanics and Materials both 436286 Design & Materials 2 and MCEN30014 Mechanical Design both 436284 Organisational Engineering and MCEN90010 Finance and Human Resources for Engineers both MCEN40018 Control Systems 2 and ELEN90064 Advanced Control System both MCEN40010 Thermofluids 4 and MCEN90019 Adv Thermodynamics or MCEN90018 Advanced Fluid Dynamics both MCEN40009 Mechanics 4 and MCEN90029 Advanced Solid Mechanics both MCEN40003 Quality Engineering and MCEN90024 Quality & Reliability</p>		