

355AF Bachelor of Engineering (Mechanical and Manufacturing Engineering)

Year and Campus:	2016									
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 (https://mce_host/faces/htdocs/%2013MELB@unimelb.edu.au) Phone: 13MELB (13 6352) +61 3 9035 5511</p>									
Course Overview:	<p>THERE IS NO FURTHER ENTRY INTO THIS COURSE</p> <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>									
Learning Outcomes:	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 2013.</p> <p>MCEN90022 Capstone Project (../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> <tr> <td>MCEN90019 Advanced Thermodynamics</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	MCEN90019 Advanced Thermodynamics	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:
	MGMT20004 Managing Human Resources	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 is 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/		
Professional Accreditation:	The Bachelor of Engineering is accredited with Engineers Australia.		
Notes:	<p>Pre-requisite requirements and non allowed subject/s should be checked before selecting any subject.</p> <p>Credit may not be obtained for -</p> <p>both MCEN40018 Control Systems 2 and ELEN90064 Advanced Control Systems 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>		