

## Bachelor of Science and Bachelor of Engineering in the field of mechanical engineering

<b>Student ID</b>		<b>Student name</b>	
<b>Course code</b>	0085	<b>Year commenced course</b>	
<b>Course version</b>	1 (for students who commenced in 2006 onwards)		
<b>Credit points</b>	240 points (40 x 6 points)		
<b>Duration of degree</b>	5 years full time, 10 years part time		
<b>Time limit</b>	10 years. Students have ten years in which to complete this award from the time they commence their course. Periods of intermission are counted as part of the ten years.		
<b>Honours</b>	Students are awarded the engineering degree with honours for meritorious performance throughout the course. No additional time is required.		
<b>Notes</b>			
<b>Course adviser</b>	<a href="http://www.eng.monash.edu.au/current-students/course-information.html#1">http://www.eng.monash.edu.au/current-students/course-information.html#1</a>		

**Students should bring this course map with them when they seek course advice.**

<b>First year - All sequences</b>	<b>Mark</b>	<b>Grade</b>
<input type="checkbox"/> ENG1040 Engineering dynamics		
<input type="checkbox"/> ENG1060 Computing for engineers		
<input type="checkbox"/> PHS1011 Physics (or PHS1080 if V CE 3/4 Physics not completed)		
<input type="checkbox"/> PHS1022 Physics		
<b>Select one pair of mathematics units from:</b>		
<input type="checkbox"/> MTH1020 Analysis of change (if VCE 3/4 Specialist maths not completed)		
MTH1030 Techniques for modelling		
<input type="checkbox"/> MTH1030 Techniques for modelling		
MTH2010 Multivariable calculus		
<b>Select one pair of science units from:</b>		
<input type="checkbox"/> ASP1010 Earth to cosmos - introductory astronomy		
ASP1022 Life and the universe		
<input type="checkbox"/> BIO1011 Biology I		
BIO1022 Biology II		
<input type="checkbox"/> CHM1011 Chemistry		
CHM1022 Chemistry		

<input type="checkbox"/> ESC1011 Planet earth and its environment: the cosmic connection		
ESC1022 Planet earth: dynamic systems, environmental change and resources		
<input type="checkbox"/> FIT1002 Computer programming		
FIT1015 Computer science		
<input type="checkbox"/> STA1010 Statistical methods for science		
MTH1112 Numbers, logic and graphs		
<b>Second year</b>	<b>Mark</b>	<b>Grade</b>
<input type="checkbox"/> MEC2401 Dynamics I		
<input type="checkbox"/> MEC2402 Engineering design I		
<input type="checkbox"/> MEC2404 Fluid mechanics I		
<input type="checkbox"/> MEC2406 Engineering design II		
<input type="checkbox"/> MTH2021 Linear algebra with applications		
<input type="checkbox"/> MTH2032 Differential equations with modelling (and MTH2010 if that was not taken at first year)		
<input type="checkbox"/> PHS2011 Physics: quantum concepts and technologies		
<input type="checkbox"/> PHS2022 Physics for communications and measurement		
<b>Third year</b>		
<input type="checkbox"/> MEC2403 Mechanics of materials		
<input type="checkbox"/> MEC2405 Thermodynamics		
12 points of level 3 units for the Bachelor of Engineering in the field of mechanical engineering:		
<input type="checkbox"/>		
<input type="checkbox"/>		
24 points of approved science units to complete a major sequence in mathematics:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<b>Fourth year</b>		
24 points of level 3 units for the Bachelor of Engineering in the field of mechanical engineering:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
24 points of approved science units to complete a second major sequence in science* or a double major sequence in mathematics:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

<input type="checkbox"/>		
<b>Fifth year</b>		
<input type="checkbox"/> MEC4401 Engineering practices project thesis A		
<input type="checkbox"/> MEC4402 Engineering practices project B		
<input type="checkbox"/> MEC4403 Technology and society or interfaculty elective		
Six points of level 3 units from the Bachelor of Engineering in the field of mechanical engineering:		
<input type="checkbox"/>		
24 points of level 4 units from the Bachelor of Engineering in the field of mechanical engineering:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
* Any sequence in science may be taken, provided the appropriate sequence requirements and prerequisites are completed. In some cases, students may elect to seek approval for an overloaded course of up to 12 points at year 2 or 3 to enable these requirements to be completed in addition to the required science units at year 2.		
<b>Professional requirements</b>		
Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience		
<input type="checkbox"/> 12 weeks approved engineering work experience		
<input type="checkbox"/> Report submitted to department and approved		

Every effort has been made to ensure that the information provided is correct at the time of publication.  
Monash University reserves the right to alter this information should the need arise. October 2007