

Bachelor of Engineering in the field of materials engineering

Student ID		Student name	
Course code	0032	Year commenced course	
Course version	For students who commenced second year in 2005 onwards.		
Credit points	192 points (32 x 6 point units)		
Duration of degree	4 years full time, 8 years part time		
Time limit	8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Course adviser	http://www.eng.monash.edu.au/current-students/course-information.html#1		

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

Second year	Mark	Grade
<input type="checkbox"/> ENG2091 Advanced engineering mathematics A		
<input type="checkbox"/> MTE2541 Nanostructure of materials		
<input type="checkbox"/> MTE2542 Microstructural development		
<input type="checkbox"/> MTE2543 Materials selection and design		
<input type="checkbox"/> MTE2544 Introduction to functional materials		
<input type="checkbox"/> MTE2545 Engineering materials I		
<input type="checkbox"/> MTE2546 Mechanics of materials		
<input type="checkbox"/> MTE2547 Structure-property relationships in materials		
Third year	Mark	Grade
Core units		
<input type="checkbox"/> MTE3541 Materials durability		
<input type="checkbox"/> MTE3542 Microstructural design in structural materials		
<input type="checkbox"/> MTE3543 Microstructure to applications: the mechanics of materials		
<input type="checkbox"/> MTE3544 Management and practice in materials engineering		
<input type="checkbox"/> MTE3545 Functional materials and devices		
<input type="checkbox"/> MTE3546 Engineering materials II		
<input type="checkbox"/> MTE3547 Materials characterisation and modelling		
Electives		
Select one unit from:		
<input type="checkbox"/> MTE3590 Materials modelling		
<input type="checkbox"/> MTE3591 Composites, thermosets and elastomers		
<input type="checkbox"/> MTE4593 Materials and the environment		

<input type="checkbox"/> MTE4594 Engineering alloys processing, design and selection		
<input type="checkbox"/> MTE4595 Corrosion-mechanisms and protection methods		
<input type="checkbox"/> MTE4596 Biomaterials		
<input type="checkbox"/> Interfaculty elective*		
* All interfaculty electives must be approved by the course adviser		
Fourth year	Mark	Grade
Core units		
<input type="checkbox"/> MTE4525 Project I		
<input type="checkbox"/> MTE4526 Project II		
<input type="checkbox"/> MTE4571 Materials engineering design and practice		
<input type="checkbox"/> MTE4572 Polymer and composite processing and engineering		
<input type="checkbox"/> MTE4573 Processing and engineering of metals and ceramics		
Elective units**		
Select 3 units from:		
<input type="checkbox"/> ENG4616 Schools technology project		
<input type="checkbox"/> MTE4531 Advanced experimental techniques		
<input type="checkbox"/> MTE4538 Optoelectronic materials		
<input type="checkbox"/> MTE4540 Cement and concrete		
<input type="checkbox"/> MTE4592 Advanced ceramics and applications		
<input type="checkbox"/> MTE4593 Materials and the environment		
<input type="checkbox"/> MTE4594 Engineering alloys processing, design and selection		
<input type="checkbox"/> MTE4595 Corrosion-mechanisms and protection methods		
<input type="checkbox"/> MTE4596 Biomaterials		
** Some elective units are offered only every second year		
Professional requirements		
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