

Bachelor of Aerospace Engineering and Bachelor of Science

Student ID		Student name	
Course code	3278	Year commenced course	
Course version	1 (for students who commenced in 2010 onwards)		
Credit points	240 credit points 40 x 6 point units: <ul style="list-style-type: none"> • 132 points of Engineering (22 units) • 108 points of Science (18 units) 		
Duration of degree	5 years full time, 10 years part time		
Time limit	10 years. Students have ten years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the ten years.		
Honours	Students are awarded the engineering 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		
Monash University Handbook	http://www.monash.edu.au/pubs/handbooks/		

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

First year	Mark	Grade
Core units		
<input type="checkbox"/> ENG1040 Engineering dynamics		
<input type="checkbox"/> MAE1041 Aerospace engineering		
<input type="checkbox"/> PHS1011 Physics (or PHS1080 Foundation physics if VCE 4 Physics not completed)		
<input type="checkbox"/> PHS1022 Physics		
Mathematics core		
Plus a pair of maths units from:		
<input type="checkbox"/> MTH1030 Techniques for modelling		
MTH2010 Multivariable calculus		
<input type="checkbox"/> MTH1020 Analysis of change (if VCE 3/4 specialist maths not completed)		
MTH1030 Techniques for modelling		
Science sequence		
Plus one pair of science units from:		
<input type="checkbox"/> ASP1010 Earth to cosmos – introductory astronomy		
ASP1022 Life and 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		
FIT1008 Computer science		
<input type="checkbox"/> STA1010 Statistical methods for science		
MTH1112 Numbers, logic and graphs		
Second year	Mark	Grade
<input type="checkbox"/> MAE2400 Engineering materials		
<input type="checkbox"/> MAE2402 Thermodynamics and heat transfer		
<input type="checkbox"/> MEC2402 Engineering design I		
<input type="checkbox"/> MEC2404 Fluid mechanics I		
<input type="checkbox"/> MTH2021 Linear algebra with applications		
<input type="checkbox"/> MTH2032 Differential equations with modelling (and MTH2010 if not taken at first year)		
<input type="checkbox"/> PHS2011 Physics: quantum concepts and technologies		
<input type="checkbox"/> PHS2022 Physics for communications and measurement		
Third year		
Core units		
<input type="checkbox"/> MAE2401 Aircraft structures 1		
<input type="checkbox"/> MAE3401 Aerodynamics		
<input type="checkbox"/> MAE3402 Aerospace design project		
<input type="checkbox"/> MAE3403 Aerospace computational mechanics		
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"/>		
Fourth year		
Core units		
<input type="checkbox"/> MAE3404 Flight vehicle dynamics		
<input type="checkbox"/> MAE3405 Flight vehicle propulsion		
<input type="checkbox"/> MAE3406 Aerospace materials		
<input type="checkbox"/> MAE3407 Aircraft structures II		
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"/>		

Fifth year		
Core units		
<input type="checkbox"/> MAE3408 Systems and control		
<input type="checkbox"/> MAE4404 Aerospace practices		
<input type="checkbox"/> MAE4407 Instrumentation and avionics		
<input type="checkbox"/> MAE4408 Damage tolerance and airworthiness		
<input type="checkbox"/> MAE4901 Aerospace project I		
<input type="checkbox"/> MAE4902 Aerospace project II		
Select one 6 point technical elective:		
<input type="checkbox"/> MAE4409 Wing design		
<input type="checkbox"/> MAE4965 Advanced aerodynamics and turbulence		
<input type="checkbox"/> MAE4980 Aircraft engines		
<input type="checkbox"/> MEC4418 Control systems		
<input type="checkbox"/> MEC4426 Computer-aided design		
<input type="checkbox"/> MEC4428 Advanced dynamics		
<input type="checkbox"/> MEC4446 Composite materials		
<input type="checkbox"/> MEC4447 Computers in fluids		
Select an additional 6 point technical or interfaculty elective:		
<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.		
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 2009