

Bachelor of Environmental Engineering and Bachelor of Science

Student ID		Student name	
Course code	4609	Year commenced course	
Course version	For students who commenced in 2010		
Credit points	240 points		
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 level one. Periods of intermission are counted as part of the ten years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the environmental engineering course. No additional time is required. Honours in Science requires a separate Honours year of study though.		
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.

Stage 1	Mark	Grade
<input type="checkbox"/> ENE1621 Environmental engineering		
<input type="checkbox"/> ENG1060 Computing for engineers		
<input type="checkbox"/> MTH1030 Techniques for modelling		
Students who have not completed VCE units 3 & 4 of Specialist mathematics are required to also complete MTH1020 prior to MTH1030		
Select two, two-unit sequences of level one science units from:		
<input type="checkbox"/> ATM1020 The science of climate, and ATM1030 The science of weather; OR		
<input type="checkbox"/> BIO1011 Biology I, and BIO1022 Biology; OR		
BIO1042 Environmental biology; OR		
<input type="checkbox"/> CHM1011 Chemistry, and CHM1022 Chemistry; OR		
<input type="checkbox"/> ESC1011 Planet Earth and its environment: the cosmic connection, and ESC1022 Planet Earth: dynamic systems, environmental change and resources; OR		
<input type="checkbox"/> GES1070 Extremes: natural hazards and human vulnerability, and GES1020 Australian physical environments: evolution, status and management; OR		
GES1050 The global challenge; OR		
<input type="checkbox"/> FIT1002 Computer programming, and		

FIT1015 Computer science; OR		
<input type="checkbox"/> PHS1011 Physics (or PHS1080 Foundation physics), and PHS1022 Physics; OR		
<input type="checkbox"/> STA1010 Statistical methods of science, and MTH1112 Numbers, logic and graphs		
Any additional science units to complete 36 credit points of science units at level one (including Mathematics units)		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
Stage 2 (including mathematics with the Science component)		
<input type="checkbox"/> ENG1010 Process systems analysis		
<input type="checkbox"/> ENG1020 Engineering structures		
<input type="checkbox"/> ENV2022 Environmental analysis 1: sampling and monitoring		
<input type="checkbox"/> One science elective unit (at level two or three)		
<input type="checkbox"/> MTH2010 (if not already taken at level one) OR science elective		
Two level 2 units which count towards the minor or major sequence in science		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/> MTH2032 Differential equations with modelling		
Stage 2 Generic		
<input type="checkbox"/> ENG2091 Advanced engineering mathematics; OR MTH2032 if MTH2010 completed at level one		
<input type="checkbox"/> ENG1010 Process systems analysis		
<input type="checkbox"/> ENG1020 Engineering structures		
<input type="checkbox"/> ENV2022 Environmental analysis 1: sampling and monitoring		
Two level two units which count towards the major sequence in science		
<input type="checkbox"/>		
<input type="checkbox"/>		
Two level two units which count towards the minor sequence in science		
<input type="checkbox"/>		
<input type="checkbox"/>		
Stage 3		
<input type="checkbox"/> CHE2162 Materials and energy balances		
<input type="checkbox"/> CHE2164 Thermodynamics I		
<input type="checkbox"/> CIV2282 Transport and traffic engineering		
<input type="checkbox"/> CIV2263 Water systems		
<input type="checkbox"/> ENV2011 Environmental policy and management		
<input type="checkbox"/> ENV3022 Environmental technology		
Two science units which count towards the science major sequence		
<input type="checkbox"/>		
<input type="checkbox"/>		

Stage 4		
<input type="checkbox"/> ENE2503 Materials properties and recycling		
<input type="checkbox"/> CIV3248 Groundwater and environmental geoengineering		
<input type="checkbox"/> ENE3048 Energy and the environment		
<input type="checkbox"/> ENE3606 The air environment		
<input type="checkbox"/> ENV416F Introduction to economics		
One science elective unit (at level two or three)		
<input type="checkbox"/>		
Two science units which count towards the science major sequence		
<input type="checkbox"/>		
<input type="checkbox"/>		
Stage 5		
<input type="checkbox"/> BTX4100 Sustainability and the law		
<input type="checkbox"/> CIV3264 Urban water and wastewater systems		
<input type="checkbox"/> ENE4607 Environmental risk assessment		
<input type="checkbox"/> ENE3608 Environmental impact assessment and management systems		
Select an engineering design/project unit from the following:		
<input type="checkbox"/> ENE4603 Environmental project A, and		
<input type="checkbox"/> ENE4212 Environmental design; OR		
<input type="checkbox"/> CHE4170 Design project (12 points)		
Select 12 credit points from a list of approved engineering electives, available from the course director		
<input type="checkbox"/>		
<input type="checkbox"/>		
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