

Bachelor of Science and Bachelor of Engineering in the field of civil engineering

Student ID		Student name	
Course code	0085	Year commenced course	
Course version	For students who commenced in 2006 onwards		
Credit points	240 points (40 x 6 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 their course. Periods of intermission are counted as part of the ten years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Notes	In second year, students choose from either a generic or a computer science sequence.		
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.

First year - All sequences	Mark	Grade
<input type="checkbox"/> ENG1020 Engineering structures		
<input type="checkbox"/> ENG1061 Engineering profession		
<input type="checkbox"/> PHS1011 Physics (or PHS1080 if VCE 3/4 Physics not completed)		
<input type="checkbox"/> PHS1022 Physics		
Select one pair of maths units from:		
<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		
Select 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 resource		
<input type="checkbox"/> FIT1002 Computer programming		
FIT1015 Computer science		

<input type="checkbox"/> STA1010 Statistical methods for science		
MTH1112 Numbers, logic and graphs		
Second year	Mark	Grade
<input type="checkbox"/> CIV2206 Mechanics of solids		
<input type="checkbox"/> CIV2226 Design of concrete and masonry structures		
<input type="checkbox"/> CIV2242 Introductory geoengineering		
<input type="checkbox"/> ENG1060 Computing for engineers		
<input type="checkbox"/> MTH2021 Linear algebra with applications		
<input type="checkbox"/> MTH2032 Differential equations with modelling		
12 points of approved science units, including MTH2010 if that was not taken at level 1:		
<input type="checkbox"/>		
<input type="checkbox"/>		
Third year	Mark	Grade
Select 24 points of engineering units chosen from		
<input type="checkbox"/> CIV2207 Computing and water systems modelling		
<input type="checkbox"/> CIV2225 Design of steel and timber structures		
<input type="checkbox"/> CIV2263 Water systems		
<input type="checkbox"/> CIV2282 Transport and traffic engineering		
<input type="checkbox"/> CIV3204 Engineering investigation		
<input type="checkbox"/> CIV3205 Project management for civil engineers		
<input type="checkbox"/> CIV3221 Building structures and technology		
<input type="checkbox"/> CIV3222 Bridge design and assessment		
<input type="checkbox"/> CIV3247 Geoengineering		
<input type="checkbox"/> CIV3248 Groundwater and environmental geoengineering		
<input type="checkbox"/> CIV3264 Urban water and wastewater systems		
<input type="checkbox"/> CIV3283 Road engineering		
24 points of approved science units to complete a major sequence in science*:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
Fourth year	Mark	Grade
A further 24 points of CIV units chosen from third year list above:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

24 points of approved science units to complete a second major sequence, or a double major sequence, in science*:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
Fifth year	Mark	Grade
Core units		
<input type="checkbox"/> CIV4210 Project A		
<input type="checkbox"/> CIV4212 Civil engineering practice 4		
Electives		
12 points of fourth year civil engineering electives:		
<input type="checkbox"/>		
<input type="checkbox"/>		
The remaining 24 points of CIV units chosen from the third year list above:		
<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 level 2 or 3 to enable these requirements to be completed in addition to the required science units at level 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 2007