

Enrolment Course Structure

Course Code – EN8.CIV

Course Name – Bachelor of Engineering (Civil) (Honours)

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGRG1001	Computational Skills for Engineers	
	ENGRG1002	Physics for Engineers 1	
	ENGRG1003	Engineering Design 1	
	MATHS1100	Applied Mathematics 1	EX: MATHS1001
Semester 2			
	COOPE1001	Professional Identity (Engineering)	
	ENGRG1004	Physics for Engineers 2	EX: ENGIN1002 & ENGIN1003
	ENGRG1005	Engineering Design 2	EX: ENGIN1004 & ENGIN3002
	MATHS2100	Applied Mathematics 2	EX: MATHS1005 & MATHS1102
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGRG2101	Construction Engineering 1	PR: ENGRG1004 EX: ENGIN2202
	ENGRG2105	Road and Traffic Engineering	PR: ENGRG1002 & ENGRG1004 EX: ENGIN3205
	ENGRG2106	Hydrology and Hydraulics	PR: ENGRG1002 EX: ENGIN2201
		Minor Unit 1	
Semester 2			
	ENGRG2102	Geotechnical Engineering 1	PR: ENGRG1002 EX: ENGIN2204
	ENGRG2103	Water and Wastewater System	PR: ENGRG1002 EX: ENGIN3206
	ENGRG2104	Structural Engineering 1	PR: ENGRG1002 EX: ENGIN2203 & ENGIN2301
		Minor Unit 2	

Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	COOPE2011	Cooperative Placement 1 (Engineering)	PR: COOPE1001 & At least 105 credit points from ENGRG subject-area at any level EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014
	ENGRG3101	Structural Engineering 2	PR: ENGRG2104 EX: ENCIV3310 & ENGIN3201
		Minor Unit 3	
Semester 2			
	COOPE2012	Cooperative Placement 2 (Engineering)	PR: COOPE1001 & At least 105 credit points from ENGRG subject-area at any level
	ENGRG4101	Geomatics Engineering	PR: ENGRG2105 EX: ENGIN3204
		Minor Unit 4	
Fourth Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGRG3102	Geotechnical Engineering 2	PR: ENGRG2102 EX: ENGIN3202
	ENGRG4001	Engineering Design Project	PR: At least 300 credit points EX: ENGIN3002
	ENGRG4002	Engineering Capstone Project 1	PR: At least 300 credit points EX: ENGIN4001
		Specialisation Elective Unit 1	
Semester 2			
	ENGRG4102	Construction Engineering 2	PR: ENGRG2101 EX: ENGIN4203
	ENGRG4003	Engineering Capstone Project 2	PR: ENGRG4002 EX: ENGIN4002
		Specialisation Elective Unit 2	

Specialisation Elective Unit 1

ENGRG9101 Modelling and Simulation in Engineering
 ENGRG9103 Water Resource Management

Specialisation Elective Unit 2

ENGRG9104 Structural Engineering 3
 ENGRG9105 Geotechnical Engineering 3

Additional Information

This course structure applies to students commencing from 2025. Students who commenced prior to 2025 should refer to the continuing enrolments page.

TEQSA have advised that, in accordance with B1.1.3 of [Higher Education Standards Framework \(Threshold Standards\) 2021](#) all Higher Education Providers are required to show their TEQSA Provider number and Provider Category on all relevant public material. ITS have ensured that our website and email signature templates have been amended to ensure compliance and have provided a knowledge article to assist you to update your signatures. Marketing are working to update the brand library and all social media accounts.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.

CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.

EX: Exclusion, a unit/s that may not be taken.