

Enrolment Course Structure

Course Code – EG8.CIV

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

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN1003	Materials in Engineering	EX: ENCOR1110 & GPENG1003
	ENGIN1004	Engineering Design and Drafting	EX: ENCOR1010 & GPENG1004
	ENGIN1007	Foundations Of Electrical and Electronic Engineering	EX: ENGIN1002
	MATHS1001	Modelling and Change (Introductory Level)	
Semester 2			
	COOPC1025	Professional Identity (Engineering)	
	ENGIN1005	Engineering Mechanics	EX: ENCOR1110 & ENCOR1021 & GPENG1005
	MATHS1102	Linear Algebra and Applications	EX: MATHS1005
		Elective	
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN2202	Concrete Technology and Civil Construction	PR: ENCOR1110 or ENGIN1003 EX: ENCIV2020
	ENGIN2301	Mechanics of Solids	PR: ENGIN1005 for undergraduate Students only EX: ENCOR2030
	ENGIN3204	Engineering Surveying	EX: ENCIV2010
	MATHS2016	Modelling Continuous Change	PR: MATHS1001 EX: MATHS3016
Semester 2			
	ENGIN2002	Engineering Project Management and Sustainable Design	EX: ENMEC2121 & ENMTX2050
	ENGIN2203	Structural Analysis	PR: ENCOR2030 or ENGIN2301 EX: ENCIV2310
	ENGIN2204	Introduction to Geotechnical Engineering	PR: ENGIN2301 EX: ENCIV2330
	ENGIN2304	Thermofluids	PR: ENGIN1005 & MATHS1001 EX: ENCOR2100

Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN2201	Hydraulics and Hydrology	PR: ENGIN1007 EX: ENCIV2320
	ENGIN3201	Structural Design	PR: ENCIV2310 or ENGIN2203 EX: ENCIV3310
	ENGIN3202	Geotechnical Engineering	
	ENGIN3203	Traffic and Transport	EX: ENCIV3340
Semester 2			
	COOPC2005	Co-operative Placement (Engineering)	PR: Minimum 105 credit points EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014
	OR		
	COOPC2001	Community Impact Project 1	PR: 120cp
	ENGIN3002	Engineering Design Project	PR: ENGIN2002 or ENMTX2050 EX: ENCIV3360 & ENMEC2120 & ENMEC3250 & ENMTX3800
	ENGIN3205	Road Engineering	PR: ENGIN3203 for undergraduate Students only EX: ENCIV3350
	ENGIN3206	Water and Wastewater	PR: ENCIV2320 or ENGIN2201 EX: ENCIV3320
Fourth Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN4001	Engineering Project 1	EX: ENCOR4100
	ENGIN4201	Management of Water Resources	PR: ENGIN3203 for undergraduate Students only EX: ENGGC4203
	ENGIN5302	Modelling and Simulation	PR: ENGIN2301 for undergraduate Students only EX: ENCOR4050
Semester 2			
	ENGIN4002	Engineering Project 2	PR: ENCOR4100 or ENGIN4001 EX: ENCOR4200
		Specialisation Elective	
		Specialisation Elective	

Elective list**Semester 1**

SCENV2600 Geographic Information Systems

Semester 2

ENGIN4203 Engineering Construction

ENGIN5202 Advanced Structural Analysis I

MREGC5004 Asset Management Techniques

Additional Information

This course structure applies to continuing students who commenced in 2024.

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.