

Enrolment Program Structure

Program Code – EG8.CIV

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

Course Code	Course Name	Course Rules
First Year Semester 1		
ENGIN1001	Professional Engineering	PR: Nil
ENGIN1002	Engineering Physics	PR: Nil
ENGIN1003	Materials in Engineering	PR: Nil
MATHS1001	Modelling and Change (Introductory Level)	PR: Nil
First Year Semester 2		
ENGIN1004	Engineering Design & Drafting	PR: Nil
ENGIN1005	Engineering Mechanics	PR: Nil
ENGIN1006	Engineering Computer Modelling	PR: Nil
MATHS1005	Secrets of the Matrix	PR: Nil
Second Year Semester 1		
ENGIN2001	Professional Practice	PR: ENGIN1001 or ENCOR1005
ENGIN2201	Hydraulics and Hydrology	PR: ENCOR1021 or ENCOR2100 or ENGIN1002 EX: ENCIV2320
ENGIN2202	Concrete Technology and Civil Construction	PR: ENCOR1110 or ENGIN1003 EX: ENCIV2020
ENGIN2301	Mechanics of Solids	PR: ENCOR1000 or ENCOR1021 or ENGIN1005 EX: ENCOR2030
MATHS2016	Modelling Continuous Change	PR: MATHS1001
Second Year Semester 2		
ENGIN2002	Engineering Project Management and Sustainable Design	PR: ENCOR1005 or ENGIN1001 EX: ENMEC2121 and ENMTX2050
ENGIN2203	Structural Analysis	PR: ENCOR2030 or ENGIN2301 EX: ENCIV2310
ENGIN2204	Introduction to Geotechnical Engineering	PR: Nil EX: ENCIV2330
MATHS3001	Modelling and Change (Advanced Level)	PR: MATHS2001 EX: MATHS2006

Course Code	Course Name	Course Rules
Third Year Semester 1		
ENGIN3201	Structural Design	PR: ENCIV2310 or ENGIN2203 EX: ENCIV3310
ENGIN3202	Geotechnical Engineering	PR: ENCIV2330 or ENGIN2204 EX: ENCIV3330
ENGIN3203	Traffic and Transport	PR: Nil EX: ENCIV3340
ENGIN3204	Engineering Surveying	PR: Nil EX: ENCIV2010
Third Year Semester 2		
ENGIN3001	Engineering Research Methodology and Management	PR: ENCOR1005 or ENGIN1001
ENGIN3002	Engineering Design Project	PR: ENGIN2002 or ENMEC2121 or ENMTX2050 EX: ENCIV3360 and ENMEC2120 and ENMEC3250 and ENMTX3800
ENGIN3205	Road Engineering	PR: ENCIV3340 or ENGIN3203 EX: ENCIV3350
ENGIN3206	Water and Wastewater	PR: ENCIV2320 or ENGIN2201 EX: ENCIV3320
Fourth Year Semester 1		
ENGIN4001	Engineering Project 1	PR: ENGIN3001 EX: ENCOR4100
	Specialisation Elective	
	Specialisation Elective	
Fourth Year Semester 2		
ENGIN4002	Engineering Project 2	PR: ENCOR4100 or ENGIN4001 EX: ENCOR4200
	Specialisation Elective	
	Specialisation Elective	

Specialisation Electives

Course Code	Course Name
ENGIN5202	Advanced Structural Analysis I
ENGIN5203	Advanced Structural Analysis II
ENGIN5302	Modelling and Simulation
MREGC5004	Asset Management Techniques
ENGIN4201	Management of Water Resources
ENGIN5204	Environmental Geotechnics
ENGIN5201	Surface Water Hydrology
SCENV2600	Geographic Information Systems

Additional Information

This structure applies to all students.

Glossary

Semester: designated teaching period.

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

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

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

Essential Equipment

You are required to obtain specific PPE for your program, and will not be able to commence lab classes without this essential safety equipment.

- ✓ Safety glasses
- ✓ Steel-cap safety boots

The required PPE can be obtained from any sources, however it **MUST** be available for commencement of classes. The University has a local preferred supplier (details below) for the supply of PPE at reduced prices. Students are able to see them in person, email or fax to order the PPE at special university prices. Please find the reduced cost voucher form below.

For further information contact Hip Pocket Work Wear and Safety directly at 1265 Howitt St, Wendouree VIC 3355, via telephone (03) 5339 5446, email: corporate@hippocketballarat.com.au or fax: (03) 5339 6504.