

Enrolment Program Structure

Program Code – EG8.MIN

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

Course Code	Course Name	Course Rules
First Year Semester 1		
ENGIN1001	Professional Engineering	PR: Nil EX: ENCOR1005
ENGIN1002	Engineering Physics	PR: Nil EX: ENCOR1021 and ENCOR2100
ENGIN1003	Materials in Engineering	PR: Nil EX: ENCOR1110
MATHS1001	Modelling and Change (Introductory Level)	PR: Nil
First Year Semester 2		
ENGIN1004	Engineering Design & Drafting	PR: Nil EX: ENCOR1010
ENGIN1005	Engineering Mechanics	PR: Nil EX: ENCOR1110 and ENCOR1021
ENGIN1006	Engineering Computer Modelling	PR: Nil EX: ENCOR1021
MATHS1005	Secrets of the Matrix	PR: Nil
Second Year Semester 1		
ENGIN2001	Professional Practice	PR: ENGIN1001 or ENCOR1005 EX: ENCOR3035
ENGIN2301	Mechanics of Solids	PR: ENGIN1005 or ENCOR1000 or ENCOR1021 EX: ENCOR2030
ENGIN2501	Mine Power and Services Technology	PR: Nil EX: ETMIN2260
ENGIN2502	Rock Fragmentation	PR: Nil EX: ENMIN2040
MATHS2016	Modelling Continuous Change	PR: MATHS1001
Second Year Semester 2		
ENGIN2304	Thermofluids	PR: ENCOR1000 or ENCOR1021 or ENGIN1005 EX: ENCOR2100
ENGIN2503	Rock Mechanics Applications	PR: ENCOR2030 or ENGIN2301 EX: ENMIN3040
MATHS3001	Modelling and Change (Advanced Level)	PR: MATHS2001 EX: MATHS2006
SCGEO1103	Planet Earth	PR: Nil

Course Code	Course Name	Course Rules
Third Year Semester 1		
ENGIN3204	Engineering Surveying	PR: Nil EX: ENCIV2010
ENGIN3501	Underground Production Systems	PR: ENGIN2502 or ENMIN2040 EX: ENMIN3020
ENGIN3502	Subsurface Environmental Engineering	PR: ENCOR2100 or ENGIN2304 EX: ENMIN3050
SCENV3120	Landscape Restoration and Mine Site Rehabilitation	PR: Nil
Third Year Semester 2		
ENGIN3001	Engineering Research Methodology and Management	PR: ENCOR1005 or ENGIN1001 EX: ENCOR4010 and ENMTX4060
ENGIN3503	Surface Mining Operations and Equipment	PR: ENGIN2502 or ENMIN2040 EX: ENMIN3070
ENGIN3504	Underground Mine Planning and Infrastructure Development	PR: ENGIN3501 or ENMIN3020 EX: ENMIN3060
SCGEO2105	Economic Geology	PR: SCGEO1102 or SCGEO1103
Fourth Year Semester 1		
ENGIN4001	Engineering Project 1	PR: ENGIN3001 EX: ENCOR4100
ENGIN5505	Mine Planning & Scheduling	PR: Nil EX: ENMIN4090 and ENMIN7010
SCMET3100	Mineral Processing I	PR: SCCHM1003 or SCMET1002
Fourth Year Semester 2		
ENGIN4002	Engineering Project 2	PR: ENCOR4100 or ENGIN4001 EX: ENCOR4200
ENGIN5503	Advanced Mine Ventilation	PR: Nil EX: ENMIN4050
SCMET3200	Mineral Processing II	PR: SCMET3100

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 back 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

Phone: (03) 5339 5446

Email: corporate@hippocketballarat.com.au

Fax: (03) 5339 6504