

Enrolment Program Structure

Program Code – EG8.MIN

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

Course Code	Course Name	Course Rules
First Year Semester 1		
ENCOR1005	Engineering In Practice 1	PR: Nil
ENCOR1010	Engineering Design & Drafting	PR: Nil
ENCOR1015	Introductory Mathematics	EX: MATHS1000 and MTHGC1020
ENCOR1110	Materials in Engineering	EX: ENCOR1060
First Year Semester 2		
ENCOR1000	Engineering Statics	EX: ENCOR1040
ENCOR1021	Computing & Physics	PR: ENCOR1015
ENCOR1150	Calculus	PR: ENCOR1015 EX: ENCOR1030 and ENCOR1140
ENCOR2100	Fluids & Thermofluids	PR: ENCOR1015 or MTHGC1020 EX: ENCOR2011
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 students commencing in 2017.

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.