

# Enrolment Program Structure

**Program Code – EG8.MIN**

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

<b>Course Code</b>	<b>Course Name</b>	<b>Course Rules</b>
<b>First Year Semester 1</b>		
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
<b>First Year Semester 2</b>		
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
<b>Second Year Semester 1</b>		
ENCOR2030	Mechanics of Solids	PR: ENCOR1000 or ENCOR1040
ENCOR3035	Professional Practice	PR: ENCOR1005
ENMIN2040	Rock Fragmentation	PR: ENCOR1140
MATHS2040	Engineering Maths	PR: ENCOR1030 or ENCOR1140
SCGEO1102	Earth Sciences	PR: Nil
<b>Second Year Semester 2</b>		
ENCIV2010	Engineering Surveying	PR: ENCOR1015
ETMIN2260	Mine Power and Services Technology	PR: Nil
SCGEO2105	Economic Geology	PR: SCGEO1102 or SCGEO1103
SCMET1002	Inorganic Chemistry 2	PR: SCCHE1011

Course Code	Course Name	Course Rules
<b>Third Year Semester 1</b>		
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
<b>Third Year Semester 2</b>		
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
<b>Fourth Year Semester 1</b>		
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
<b>Fourth Year Semester 2</b>		
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.