

## Mid-year Enrolment Course Structure

Course Code – EN8.MIN

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

First Year	Unit Code	Unit Name	Unit Rules
<b>Semester 2</b>			
	COOPE1001	Professional Identity (Engineering)	
	ENGRG1004	Physics for Engineers 2	<b>EX:</b> ENGIN1002 & ENGIN1003
	ENGRG1005	Engineering Design 2	<b>EX:</b> ENGIN1004 & ENGIN3002
	MATHS2100	Applied Mathematics 2	<b>EX:</b> MATHS1005 & MATHS1102
Second Year	Unit Code	Unit Name	Unit Rules
<b>Semester 1</b>			
	ENGRG1001	Computational Skills for Engineers	
	ENGRG1002	Physics for Engineers 1	
	ENGRG1003	Engineering Design 1	
	MATHS1100	Applied Mathematics 1	<b>EX:</b> MATHS1001
<b>Semester 2</b>			
	ENGRG2402	Mining Geology and Mineral Processing	
	ENGRG2403	Rock Fragmentation	<b>EX:</b> ENGIN2502
	ENGRG2404	Rock Mechanics Application	<b>EX:</b> ENGIN5507
		Minor Unit 2	
Third Year	Unit Code	Unit Name	Unit Rules
<b>Semester 1</b>			
	ENGRG2301	Solid Mechanics	<b>PR:</b> ENGRG1003
	ENGRG2302	Fluid Mechanics	<b>PR:</b> ENGRG1002 & ENGRG1004 <b>EX:</b> ENGIN3301
	ENGRG2401	Introduction to Mining Engineering and Technologies	
		Minor Unit 1	

Semester 2			
	COOPE2012	Cooperative Placement 2 (Engineering)	<b>PR:</b> COOPE1001 & At least 105 credit points from ENGRG subject-area at any level
	ENGRG3402	Subsurface Environment and Ventilation	<b>PR:</b> ENGRG2302
		Minor Unit 4	
Fourth Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	COOPE2011	Cooperative Placement 1 (Engineering)	<b>PR:</b> COOPE1001 & At least 105 credit points from ENGRG subject-area at any level <b>EX:</b> BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014
	ENGRG3401	Surface and Underground Mining Systems	<b>PR:</b> ENGRG2401 <b>EX:</b> ENGIN3501 & ENGIN3503
		Minor Unit 3	
Semester 2			
	ENGRG4003	Engineering Capstone Project 2	<b>PR:</b> ENGRG4002 <b>EX:</b> ENGIN4002
	ENGRG4401	Mine Planning and Scheduling	<b>PR:</b> ENGRG3401 <b>EX:</b> ENGIN5505
		Specialisation Elective Unit 2	
Fifth Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGRG4001	Engineering Design Project	<b>PR:</b> At least 300 credit points <b>EX:</b> ENGIN3002
	ENGRG4002	Engineering Capstone Project 1	<b>PR:</b> At least 300 credit points <b>EX:</b> ENGIN4001
	SCENV3120	Landscape Restoration and Mine Site Rehabilitation	
		Specialisation Elective Unit 1	

**Specialisation Elective Unit 1**

ENGIN5501 Mine Safety and Environment Engineering

**Specialisation Elective Unit 2**

ENGIN5508 Smart Engineering Technologies

**Additional Information**

This Course structure applies to mid-year entry students.

*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.