Enrolment Course Structure

Course Code – EG8.MIN

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

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN1003	Materials in Engineering	**EX**: ENCOR1110 & GPENG1003
	ENGIN1004	Engineering Design and Drafting	**EX**: ENCOR1010 & GPENG1004
	ENGIN1007	Foundations Of Electrical and Electronic Engineering	**EX:** ENGIN1002
	MATHS1001	Modelling and Change (Introductory Level)	
Semester 2			
	COOPC1025	Professional Identity (Engineering)	
	ENGIN1005	Engineering Mechanics	**EX:** ENCOR1110 & ENCOR1021 & GPENG1005
	MATHS1102	Linear Algebra and Applications	**EX:** MATHS1005
		Elective	

Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN2301	Mechanics of Solids	**PR**: ENGIN1005 for undergraduate Students only **EX:** ENCOR2030
	ENGIN2501	Mine Power and Services Technology	**EX:** ENMIN5100 & ETMIN2260
	ENGIN2502	Rock Fragmentation	**EX**: ENMIN2040
	MATHS2016	Modelling Continuous Change	**PR:** MATHS1001 **EX:** MATHS3016
Semester 2			
	ENGIN2002	Project Management and Sustainable Design	**EX**: ENMEC2121 & ENMTX2050
	ENGIN2304	Thermofluids	**PR:** ENGIN1005 & MATHS1001 **EX**: ENCOR2100
	ENGIN2503	Rock Mechanics Applications	**EX**: ENMIN3040 & ENMIN5160
	SCGEO1103	Planet Earth	

Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN3204	Engineering Surveying	**EX:** ENCIV2010
	ENGIN3501	Underground Production Systems	**PR:** ENGIN2502 for undergraduate Students only **EX**: ENMIN3020
	ENGIN3502	Subsurface Environmental Engineering	**PR:** ENGIN2304 for undergraduate Students only **EX:** ENMIN3050 & ENMIN5023
	SCENV3120	Landscape Restoration and Mine Site Rehabilitation	
Semester 2			
	COOPC2005 OR	Co-operative Placement (Engineering)	**PR:** Minimum 105 credit points **EX:** BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014
	COOPC2001	Community Impact Project	**PR:** 120cp
	ENGIN3503	Surface Mining Operations and Equipment	**PR**: ENGIN2502 for undergraduate Students only **EX**: ENMIN3070 & ENMIN5160
	ENGIN5503	Advanced Mine Ventilation	**EX:** ENMIN4050
	SCGEO2105	Economic Geology	**PR**: SCGEO1102 or SCGEO1103

Fourth Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN4001	Engineering Project 1	**EX:** ENCOR4100
	ENGIN5505	Mine Planning & Scheduling	**EX:** ENMIN4090 & ENMIN7010
	SCMET3100	Mineral Processing I	**PR**: SCCHM1003 or SCMET1002
Semester 2			
	ENGIN4002	Engineering Project 2	**PR**: ENGIN4001 or ENCOR4100 **EX**: ENCOR4200
	ENGIN5508	Smart Engineering Technologies	**PR**: ENGIN3001
	SCMET3200	Mineral Processing II	**PR**: SCMET3100

Additional Information

This course structure applies to continuing students who commenced in 2024.

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.