

Enrolment Program Structure

Program Code – EG8.MIN

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

First Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN1001	Professional Engineering	EX: ENCOR1005 GPENG1001
	ENGIN1002	Engineering Physics	EX: ENCOR1021 & ENCOR2100 GPENG1002
	ENGIN1003	Materials in Engineering	EX: ENCOR1110 GPENG1003
	MATHS1001	Modelling and Change (Introductory Level)	
Semester 2			
	ENGIN1004	Engineering Design and Drafting	EX: ENCOR1010 GPENG1004
	ENGIN1005	Engineering Mechanics	EX: ENCOR1110 & ENCOR1021 GPENG1005
	ENGIN1006	Engineering Computer Modelling	EX: ENCOR1021 & GPENG1006
	MATHS1102	Linear Algebra and Applications	EX: MATHS1005
Second Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN2001	Professional Practice	PR: ENGIN1001 or ENCOR1005 EX: ENCOR3035
	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
		MATHS2001 OR MATHS2016	
Semester 2			
	ENGIN2304	Thermofluids	PR: ENGIN1005 & MATHS1001 EX: ENCOR2100
	ENGIN2503	Rock Mechanics Applications	EX: ENMIN3040 & ENMIN5160
	MATHS3001	Modelling and Change (Advanced Level)	PR: MATHS1001 EX: MATHS2006
	SCGEO1103	Planet Earth	

Third Year	Course Code	Course Name	Course 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			
	ENGIN3001	Engineering Research Methodology and Management	PR: ENGIN1001 or ENCOR1005 EX: ENCOR4010 & ENMTX4060
	ENGIN3503	Surface Mining Operations and Equipment	PR: ENGIN2502 for undergraduate Students only EX: ENMIN3070
	ENGIN5503	Advanced Mine Ventilation	EX: ENMIN4050
	SCGEO2105	Economic Geology	PR: SCGEO1102 or SCGEO1103
Fourth Year	Course Code	Course Name	Course 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 program structure applies to continuing students who commenced in 2023 or prior.

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 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.