THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences
2020 Study Plan

Bachelor of Engineering (Honours) (Mining) with Bachelor of Science

Year 1				
S 1	MATHS 1011 Mathematics IA ☐	ENG 1003 Programming (Matlab and Excel) ☐	CEME 1004 Engineering Mechanics-Statics ☐	Level I Science Elective ☐
S 2	MATHS 1012 Mathematics IB ☐	^ENG 1001 Introduction to Engineering ☐	MINING 1011 Introduction to Mining Engineering ☐	Level I Science Elective ☐
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II ☐	CEME 2001 Strength of Materials ☐	MECH ENG 2021 Thermo-Fluids I ☐	Level II Science Elective ☐
S 2	MATHS 2107 Statistics & Numerical Methods II ☐	GEOLOGY 2504 Economic & Mine Geology II ☐	Engineering Elective (See elective table) ☐	Level II Science Elective ☐
Year 3				
S 1	ENG 3004 Interdisciplinary Professional Practice ☐	MINING 3070 Resource Estimation ☐	MINING 3071 Mining Systems ☐	MINING 3072 Mining Geomechanics ☐
S 2	ENG 3005 Research Method & Project Management ☐	MINING 3068 Mining Ventilation ☐	MINING 3069 Rock Breakage ☐	MINING 3073 Mine Planning ☐
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table.				
Year 4				
S 1	ENG 4001A Research Project Part A ☐	MINING 4102 Mine Geotechnical Engineering ☐	MINING 4106 Hard Rock Design & Feasibility ☐	Level II Science Elective ☐
S 2	ENG 4001B Research Project Part B ☐	MINING 4101 Mine Management ☐	MINING 4111 Coal Mine Design & Feasibility ☐	Level II Science Elective ☐
Year 5				
S 1	Mining Engineering Elective (see elective table) ☐	Level III Science Elective ☐	Level III Science Elective ☐	Level III Science Elective ☐
S 2	Mining Engineering Elective (see elective table) ☐	Level III Science Elective ☐	Level III Science Elective ☐	Level III Science Elective ☐

Core Courses

THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2020 Study Plan

Electives Table

CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES				
S1	CEME 1002 Introduction to Infrastructure ☐	ELEC ENG 1101 Electronic Systems ☐	ENG 4011 Engineering Geology ☐	MECH ENG 1007 Engineering Mechanics - Dynamics ☐
S2	☐	☐		
CHOOSE FROM THE FOLLOWING MINING ENGINEERING ELECTIVES				
TBC		MINING 4113 Advanced Mine Ventilation ☐	MINING 4114 Simulation & Animation for Mining Engineers ☐	MINING 4110 Mine Asset Management and Services
S1	☐	☐	MINING 4107 Surface Mining Systems	
S2	MINING 4112 Advanced Mine Geotechnical Engineering ☐			

NOTES

^ EAL: Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering

 # Maths: Students who have not passed SACE Stage 2 Specialist Maths must enrol in MATHS 1013 Mathematics IM before enrolling in MATHS 1011 Mathematics IA. Manage your enrolment by completing MATHS 1013 Mathematics IM in semester 1 followed by MATHS 1011 Mathematics IA in semester 2 and MATHS 1012 Mathematics IB in summer school. MATHS 1013 Mathematics IM is in addition to the requirements of this program.

Internships: The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Enrolment into 6 unit internship course opens from S1 2021. Internships are self-sourced and resources are available through Careers Service. Register with CareerHub to access a database where opportunities are posted.

General Electives: How to choose an elective course in your area of interest? Please refer to the steps via the link: https://ecms.adelaide.edu.au/study-with-us/student-support/enrolment

Program Rules: For academic program rules please refer to the following website: https://calendar.adelaide.edu.au/faculty/ecms

Information and Enrolment Advice:
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support