THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences
2021 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 Systems Engineering and Industry 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 during the course of their studies – see note below.				
Year 4				
S 1	ENG 4001A Research Project Part A ☐	MINING 4102 Mine Geotechnical Engineering ☐	MINING 4106 Hard Rock Mine 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	Elective (see elective table)	Double Degree Courses

Electives Table

CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES					
S1	ELEC ENG 1101	Electronic Systems	**S2**	CEME 1002 MECH ENG 1007 ENG 4011	Introduction to Infrastructure Engineering Mechanics- Dynamics Engineering Geology
CHOOSE FROM THE FOLLOWING MINING ENGINEERING ELECTIVES					
TBC	ENG 4011 MINING 4107 MINING 4110 MINING 4112 MINING 4113 MINING 4114	Engineering Geology Surface Mining Systems Mine Asset Management & Services Advanced Mine Geotechnical Engineering Advanced Mine Ventilation Simulation & Animation for Mining Engineers			

NOTES

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

Internship: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. 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. Internships are self-sourced and resources are available through Careers Service. Register with CareerHub to access a database where opportunities are posted.

~Science Electives may be chosen from courses listed in the Program Rules for the degree of Bachelor of Science. Students must complete a major in accordance with the Program Rules for the Bachelor of Science.

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