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No Major

Year 1				
S 2	MATHS 1011 Mathematics IA <input type="checkbox"/>	^ ENG 1001 Introduction to Engineering <input type="checkbox"/>	MINING 1011 Introduction to Mining Engineering <input type="checkbox"/>	Level 1 Engineering Elective (see elective table) <input type="checkbox"/>
Year 2				
S 1	MATHS 1012 Mathematics IB <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/>	General Elective <i>Suggested elective: CEME 1001 Introduction to Environmental Engineering</i> <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Mineral Resources II <input type="checkbox"/>	General Elective <i>Suggested elective: CEME 2005 Transportation Engineering & Survey</i> <input type="checkbox"/>	General Elective <i>Suggested elective: MECH 2101 Mechatronics IM</i> <input type="checkbox"/>
Year 3				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	MECH ENG 2021 Thermo-Fluids I <input type="checkbox"/>	General Elective <i>Suggested elective: CHEM ENG 2010 Process Design II</i> <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3077 Mine Safety Engineering <i>In lieu of MINING 3073 Mine Planning</i> <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>
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 the note section below.				
Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 3078 Resource Estimation and Mine Planning <input type="checkbox"/> <i>In lieu of MINING 3070 Resource Estimation</i>	MINING 3076 Geomechanics and Excavation Engineering <input type="checkbox"/> <i>In lieu of MINING 3072 Mining Geomechanics</i>	MINING 3071 Mining Systems <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>
Year 5				
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	MINING 4116 Mine Design and Feasibility Study <i>In lieu of MINING 4106 Hard Rock Mine Design & Feasibility</i> <input type="checkbox"/>	MINING 4117 Mining and Environment <i>In lieu of MINING 4104 Socio-Environmental Aspects of Mining</i> <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>
Core Courses		Elective		

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

CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES

S1	CEME 1001 ELEC ENG 1101	Introduction to Environmental Engineering Electronic Systems	S2	CEME 1002 MECH ENG 1007	Introduction to Infrastructure Engineering Mechanics- Dynamics
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CHOOSE FROM THE FOLLOWING MINING ENGINEERING ELECTIVES

S1	CEME 4007 CEME 4008 GEOG 2129 GEOLOGY 2501 GEOLOGY 3500	Unsaturated Soils Soil and Ground Water Remediation Introductory Geographic Information Systems (GIS) Structural Geology II Exploration Methods III	S2	CEME 3006 CHEM ENG 2019 GEOLOGY 3502 MINING 4115	Geotechnical Engineering Introduction to Minerals Processing Mineral and Energy Resources III Mine Automation
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NOTES

Internship: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: <https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering>.

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>

Mine Automation Major

Year 1			
S 2	MATHS 1011 Mathematics IA <input type="checkbox"/>	[^] ENG 1001 Introduction to Engineering <input type="checkbox"/>	MINING 1011 Introduction to Mining Engineering <input type="checkbox"/>
			MECH ENG 1007 Engineering Mechanics - Dynamics <input type="checkbox"/>
Year 2			
S 1	MATHS 1012 Mathematics IB <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Mineral Resources II <input type="checkbox"/>	MECH ENG 2101 Mechatronics IM <input type="checkbox"/>
			ELEC ENG 1101 Electronic Systems <input type="checkbox"/>
			ELEC ENG 2104 Digital Signal Processing <input type="checkbox"/>
Year 3			
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	MECH ENG 2021 Thermo-Fluids I <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3077 Mine Safety Engineering <i>In lieu of MINING 3073 Mine Planning</i> <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>
			MECH ENG 3106 Mechatronics II <input type="checkbox"/>
			Mining Engineering Elective (see elective table) <input type="checkbox"/>
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 the note section below.			
Year 4			
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 3078 Resource Estimation and Mine Planning <i>In lieu of MINING 3070 Resource Estimation</i> <input type="checkbox"/>	MINING 3076 Geomechanics and Excavation Engineering <i>In lieu of MINING 3072 Mining Geomechanics</i> <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>
			MINING 3071 Mining Systems <input type="checkbox"/>
			MINING 4115 Automation in Mining <input type="checkbox"/>
Year 5			
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	MINING 4116 Mine Design and Feasibility Study <i>In lieu of MINING 4106 Hard Rock Mine Design & Feasibility</i> <input type="checkbox"/>	MINING 4117 Mining and Environment <i>In lieu of MINING 4104 Socio-Environmental Aspects of Mining</i> <input type="checkbox"/>
			Mining Engineering Elective (see elective table) <input type="checkbox"/>
Core Courses		Major Courses	Elective

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

CHOOSE FROM THE FOLLOWING MINING ENGINEERING ELECTIVES

S1	CEME 4007	Unsaturated Soils	S2	CEME 3006	Geotechnical Engineering
	CEME 4008	Soil and Ground Water Remediation		CHEM ENG 2019	Introduction to Minerals Processing
	GEOG 2129	Introductory Geographic Information Systems (GIS)		GEOLOGY 3502	Mineral and Energy Resources III
	GEOLOGY 2501	Structural Geology II			
	GEOLOGY 3500	Exploration Methods III			

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Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>

Mining Engineering Minors

Minors are undertaken by taking 12 units of courses within one of the following streams to replace the electives offered within a major. If they are not listed on the previous pages, the courses below cannot contribute as Civil Engineering electives unless the full 12-unit Minor is awarded.

Humanitarian Engineering Minor

One course of each labelled **A, B, C, D** must be taken.

Summer			Winter		
A	SPATIAL 3007WT	GIS for Environmental Management III	A	SPATIAL 3020WT	GIS for Agriculture & Natural Resource III
			B	PROJMGMT 3030	Project Logistics and Supply Chains
Semester 1			Semester 2		
C	DEVT 2100	Poverty and Social Development	C	DEVT 2101	Empowerment & Development: Community & Gender
			D	ENG 3201	Essentials of Humanitarian Practice (TBC)

Entrepreneurship Minor

One course of each labelled **A, B, C, D** must be taken.

			Summer		
			A	ENTREP 3000	Innovation and Creativity
Semester 1			Semester 2		
B	ENTREP 3901	Tech eChallenge	A	ENTREP 3000	Innovation and Creativity
C	ENTREP 3015	Entrepreneurial Leadership	B	ENTREP 3900	eChallenge
			D	ENTREP 3011	Startup Methodologies