

Bachelor of Engineering (Honours)(Mining) – All Majors – Semester 2 Start

Bachelor of Engineering (Honours) (Mining) – Semester 2 Start.....	2
Bachelor of Engineering (Honours) (Mining) - Mine Automation Major – Semester 2 Start.....	4

Bachelor of Engineering (Honours) (Mining) – Semester 2 Start

Year 1				
S 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	General Elective <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"/>	Level 1 Engineering Elective (see elective table) <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Economic & Mine Geology II <input type="checkbox"/>	General Elective <input type="checkbox"/>	General Elective <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 <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3068 Mining Ventilation <input type="checkbox"/>	MINING 3069 Rock Breakage <input type="checkbox"/>	MINING 3073 Mine Planning <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 note below.				
Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 3070 Resource Estimation <input type="checkbox"/>	MINING 3071 Mining Systems <input type="checkbox"/>	MINING 3072 Mining Geomechanics <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	MINING 4101 Mine Management <input type="checkbox"/>	MINING 4111 Coal Mine Design & Feasibility <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 4102 Mine Geotechnical Engineering <input type="checkbox"/>	MINING 4104 Socio-Environmental Aspects of Mining <input type="checkbox"/>	MINING 4106 Hard Rock Mine Design & Feasibility <input type="checkbox"/>
S 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Core Courses		Elective (see elective table)		

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

Electives Table

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
CHOOSE FROM THE FOLLOWING MINING ENGINEERING ELECTIVES					
S1			S2	C&ENVENG 4110	Soil and Ground Water Remediation
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

Internship: 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.

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>

Bachelor of Engineering (Honours) (Mining) - Mine Automation Major – Semester 2 Start

Year 1				
S 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	ELEC ENG 1101 Electronic Systems <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Economic & Mine Geology II <input type="checkbox"/>	MECH ENG 2101 Mechatronics IM <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"/>	MECH ENG 3106 Mechatronics II <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3068 Mining Ventilation <input type="checkbox"/>	MINING 3069 Rock Breakage <input type="checkbox"/>	MINING 3073 Mine Planning <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 note below elective table.				
Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 3070 Resource Estimation <input type="checkbox"/>	MINING 3071 Mining Systems <input type="checkbox"/>	MINING 3072 Mining Geomechanics <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	MINING 4101 Mine Management <input type="checkbox"/>	MINING 4111 Coal Mine Design & Feasibility <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 4102 Mine Geotechnical Engineering <input type="checkbox"/>	MINING 4104 Socio-Environmental Aspects of Mining <input type="checkbox"/>	MINING 4106 Hard Rock Design & Feasibility <input type="checkbox"/>
S 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Core Courses Major Courses

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

NOTES

Internship: 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.

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>

Bachelor of Engineering (Honours)(Mining) – All Majors with Bachelor of Mathematical and Computer Sciences

Semester 2 Start

[Bachelor of Engineering \(Honours\)\(Mining\) with Bachelor of Mathematical and Computer Sciences – Mathematics Major](#)

[Bachelor of Engineering \(Honours\)\(Mining\) – Mine Automation Major with Bachelor of Mathematical and Computer Sciences – Mathematics Major](#)

Bachelor of Engineering (Honours) (Mining) with Bachelor of Mathematical and Computer Sciences - Mathematics Major – Semester 2 Start

Year 1				
S 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	General Elective <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"/>	Level I Engineering Elective (see elective table) <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Economic & Mine Geology II <input type="checkbox"/>	General Elective <input type="checkbox"/>	Level II or III Mathematics Elective <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"/>	Level II or III Mathematics Elective <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3068 Mining Ventilation <input type="checkbox"/>	MINING 3069 Rock Breakage <input type="checkbox"/>	MINING 3073 Mine Planning <input type="checkbox"/>
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 <input type="checkbox"/>	MINING 3070 Resource Estimation <input type="checkbox"/>	MINING 3071 Mining Systems <input type="checkbox"/>	MINING 3072 Mining Geomechanics <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	MINING 4101 Mine Management <input type="checkbox"/>	MINING 4111 Coal Mine Design & Feasibility <input type="checkbox"/>	Level II or III Mathematics Elective <input type="checkbox"/>
Year 5				
S 1	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>	Level II or III Mathematics Elective <input type="checkbox"/>
S 2	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>

Year 6				
S1	ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/>	MINING 4102 Mine Geotechnical Engineering <input type="checkbox"/>	MINING 4104 Socio-Environmental Aspects of Mining <input type="checkbox"/>	MINING 4106 Hard Rock Design & Feasibility <input type="checkbox"/>
Core Courses		Double Degree Courses		

Electives Table

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

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>

Bachelor of Engineering (Honours) (Mining) - Mine Automation Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major – Semester 2 Start

Year 1				
S 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	ELEC ENG 1101 Electronic Systems <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Economic & Mine Geology II <input type="checkbox"/>	MECH ENG 2101 Mechatronics IM <input type="checkbox"/>	Level II or III Mathematics Elective <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"/>	Level II or III Mathematics Elective <input type="checkbox"/>
S 2	MINING 3068 Mining Ventilation <input type="checkbox"/>	MINING 3069 Rock Breakage <input type="checkbox"/>	MINING 3073 Mine Planning <input type="checkbox"/>	Level II or III Mathematics Elective <input type="checkbox"/>
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 3004 Interdisciplinary Professional Practice <input type="checkbox"/>	MINING 3070 Resource Estimation <input type="checkbox"/>	MINING 3071 Mining Systems <input type="checkbox"/>	MINING 3072 Mining Geomechanics <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 4101 Mine Management <input type="checkbox"/>	MINING 4111 Coal Mine Design & Feasibility <input type="checkbox"/>	ELEC ENG 2104 Digital Signal Processing <input type="checkbox"/>
Year 5				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 4102 Mine Geotechnical Engineering <input type="checkbox"/>	MINING 4104 Socio-Environmental Aspects of Mining <input type="checkbox"/>	MINING 4106 Hard Rock Design & Feasibility <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	MINING 4115 Automation in Mining <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>



Year 6			
S 1	MECH ENG 3106 Mechatronics II <input type="checkbox"/>	Level II or III Mathematics Elective <input type="checkbox"/>	Level III Mathematics Elective <input type="checkbox"/>
Core Courses	Major Courses	Double Degree Courses	

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.

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>

Bachelor of Engineering (Honours)(Mining) – All Majors with Bachelor of Science

Semester 2 Start

[Bachelor of Engineering \(Honours\)\(Mining\) with Bachelor of Science](#)

Bachelor of Engineering (Honours) (Mining) with Bachelor of Science – Semester 2 Start

Year 1				
S 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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 I Science Elective <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"/>	Level I Science Elective <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	GEOLOGY 2504 Economic & Mine Geology II <input type="checkbox"/>	Engineering Elective (see elective table) <input type="checkbox"/>	Level II Science Elective <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"/>	Level II Science Elective <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	MINING 3068 Mining Ventilation <input type="checkbox"/>	MINING 3069 Rock Breakage <input type="checkbox"/>	MINING 3073 Mine Planning <input type="checkbox"/>
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 <input type="checkbox"/>	MINING 3070 Resource Estimation <input type="checkbox"/>	MINING 3072 Mining Geomechanics <input type="checkbox"/>	Level II Science Elective <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	MINING 4101 Mine Management <input type="checkbox"/>	MINING 4111 Coal Mine Design & Feasibility <input type="checkbox"/>	Level II Science Elective <input type="checkbox"/>
Year 5				
S 1	MINING 3071 Mining Systems <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>
S 2	Mining Engineering Elective (see elective table) <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>	Level III Science Elective <input type="checkbox"/>

Year 6			
S1	ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/>	MINING 4102 Mine Geotechnical Engineering <input type="checkbox"/>	MINING 4106 Hard Rock Design & Feasibility <input type="checkbox"/> Mining Engineering Elective (see elective table) <input type="checkbox"/>

Core Courses Double Degree Courses

Electives Table

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

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.

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>