

Engineering Bachelor of Engineering (Honours) (3707)

Mining Engineering (MINEAH)

T1 Entry 2024 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	ENGG2400 Mechanics of Solids 1	Term 1	MINE3220 Resource Estimation	Term 1	MERE4951 (4 UoC) Research Thesis A
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		CEIC2001 Fluid and Particle Mechanics		MINE3310 Mining Geomechanics		MINE4250 Hardrock Mine Design and Feasibility Project
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		MATH2089 Numerical Methods and Statistics		MINE3430 Mining Systems		MINE4310 Mine Geotechnical Engineering
Term 2	ENGG1811 Computing for Engineers	Term 2	MERE2810 Mineral Resource Geology & Geophysics	Term 2	MINE3230 Mine Planning	Term 2	MERE4952 (4 UoC) Research Thesis B
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		General Education Course		MINE3910 Socio-Environmental Aspects of Mining		MINE4710 Mine Management
	ENGG1300 Engineering Mechanics		MATH2018 Engineering Mathematics 2D		Discipline Elective Course		General Education Course
Term 3	GEOS1111 Investigating Earth and Its Evolution	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MINE3510 Mine Ventilation	Term 3	MERE4953 (4 UoC) Research Thesis C
	Free Elective Course		MINE2820 Minerals Processing		MINE3630 Rock Breakage		Discipline Elective Course
							Free Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999
This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

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Mining Engineering (MINEAH)

T2 Entry 2024 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	Term 2	ENGG2400 Mechanics of Solids 1	Term 2	MINE3230 Mine Planning	Term 2	MERE4951 (4 UoC) Research Thesis A
	MATH1131 Mathematics 1A		MERE2810 Mineral Resource Geology & Geophysics		MINE3910 Socio-Environmental Aspects of Mining		MINE4710 Mine Management
	ENGG1811 Computing for Engineers		MATH2018 Engineering Mathematics 2D		General Education Course		General Education Course
Term 3	DESN1000 Engineering Design and Innovation	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MINE3510 Mine Ventilation	Term 3	MERE4952 (4 UoC) Research Thesis B
	ENGG1300 Engineering Mechanics		MINE2820 Minerals Processing		MINE3630 Rock Breakage		Discipline Elective Course
	GEOS1111 Investigating Earth and Its Evolution				MATH2089 Numerical Methods and Statistics		Free Elective Course
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 1	CEIC2001 Fluid and Particle Mechanics	Term 1	MINE3310 Mining Geomechanics	Term 1	MERE4953 (4 UoC) Research Thesis C
	Free Elective Course		MINE3220 Resource Estimation		Discipline Elective Course		MINE4250 Hardrock Mine Design and Feasibility Project
			MINE3430 Mining Systems				MINE4310 Mine Geotechnical Engineering

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Engineering Bachelor of Engineering (Honours) (3707)

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T3 Entry 2024 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Engineering Design and Innovation	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MINE3510 Mine Ventilation	Term 3	MERE4951 (4 UoC) Research Thesis A
	GEOS1111 Investigating Earth and Its Evolution		MINE2820 Minerals Processing		MINE3630 Rock Breakage		Discipline Elective Course
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		MATH2089 Numerical Methods and Statistics		General Education Course		General Education Course
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 1	ENGG2400 Mechanics of Solids 1	Term 1	MINE3220 Resource Estimation	Term 1	MERE4952 (4 UoC) Research Thesis B
	ENGG1811 Computing for Engineers		CEIC2001 Fluid and Particle Mechanics		MINE3310 Mining Geomechanics		MINE4250 Hardrock Mine Design and Feasibility Project
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MINE3430 Mining Systems		Discipline Elective Course		MINE4310 Mine Geotechnical Engineering
Term 2	ENGG1300 Engineering Mechanics	Term 2	MERE2810 Mineral Resource Geology & Geophysics	Term 2	MINE3230 Mine Planning	Term 2	MERE4953 (4 UoC) Research Thesis C
	Free Elective Course		MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D		MINE3910 Socio-Environmental Aspects of Mining		MINE4710 Mine Management
							Free Elective Course

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