

Engineering Bachelor of Engineering (Honours) (3707)

Mining Engineering (MINEAH)

T1 Entry 2025 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 <u>OR</u> PHYS1131 Higher Physics 1A		CEIC2001 Fluid and Particle Mechanics		MINE3310 Mining Geomechanics		MINE4250 Hardrock Mine Design and Feasibility Project
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D		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 <u>OR</u> MATH1241 Higher Mathematics 1B		MINE2820 Minerals Processing		MINE3910 Socio-Environmental Aspects of Mining		MINE4710 Mine Management
	ENGG1300 Engineering Mechanics		DESN2000 Engineering Design and Professional Practice		General Education Course		Discipline Elective Course
Term 3	GEOS1111 Investigating Earth and Its Evolution	Term 3	MATH2089 Numerical Methods and Statistics	Term 3	MINE3510 Mine Ventilation	Term 3	MERE4953 (4 UoC) Research Thesis C
	Free Elective Course*		Free Elective Course		MINE3630 Rock Breakage		Discipline Elective Course
							General Education 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.

*MINE1010 is the recommended free elective for this stream.

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T2 Entry 2025 Sample Plan



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SYDNEY

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

NOTES

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T3 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A	Term 3	MATH2018 Engineering Mathematics 2D	Term 3	MINE3510 Mine Ventilation	Term 3	MERE4951 (4 UoC) Research Thesis A
	GEOS1111 Investigating Earth and Its Evolution		MATH2089 Numerical Methods and Statistics		MINE3630 Rock Breakage		Discipline Elective Course
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A				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
	DESN1000 Engineering Design and Innovation		CEIC2001 Fluid and Particle Mechanics		MINE3310 Mining Geomechanics		MINE4250 Hardrock Mine Design and Feasibility Project
	Free Elective Course*		MINE3430 Mining Systems		Free 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
	ENGG1811 Computing for Engineers		MINE2820 Minerals Processing		MINE3910 Socio-Environmental Aspects of Mining		MINE4710 Mine Management
			DESN2000 Engineering Design and Professional Practice				Discipline Elective Course

NOTES

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