Engineering

Bachelor of Engineering (Honours) (3707)

Geoenergy & Geostorage Engineering (MEREAH)

T1 Entry 2025 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 1	**CHEM1811** Engineering Chemistry 1A	**ENGG2500** Fluid Mechanics for Engineers	**MINE3310** Mining Geomechanics	**MERE4951** (4 UoC) Research Thesis A
	PHYS1131 Higher Physics 1A OR **PHYS1121** Physics 1A	**MATH2089** Numerical Methods and Statistics	**MERE3001** Formation Evaluation	**MERE5006** Decommissioning and Sustainability
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A		**Discipline Elective**	**MERE5007** Geostorage Modelling
Term 2	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**ENGG2400** Mechanics of solids 1	**MERE3002** Drilling and Completion Engineering	**MERE4952** (4 UoC) Research Thesis B
	Free Elective^	**MERE2810** Mineral Resource Geology & Geophysics	**MERE3003** Reservoir Engineering	**MERE5008** Geostorage Project
		Free Elective*	**MERE5004** Reservoir Characterisation and Data Science	**General Education Course**
Term 3	**GEOS1111** Investigating Earth and Its Evolution	**MMAN2700** Thermodynamics	**MERE5003** Transient Flow Analysis	**MERE4953** (4 UoC) Research Thesis C
	ENGG1811 Computing for Engineers	**DESN2000** Engineering Design and Professional Practice	**MERE5005** Resources Project Economics	**Discipline Elective** (Recommended PTRL5119)
	DESN1000 Engineering Design and Innovation	**MATH2018** Engineering Mathematics 2D		**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.

^It is strongly recommended that students take ENGG1300 as a free elective. *Students are encouraged to select MERE1001 as a free elective.

Engineering

Bachelor of Engineering (Honours) (3707)

Geoenergy & Geostorage Engineering (MEREAH)

T2 Entry 2025 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 2	**PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A	**MERE2810** Mineral Resource Geology & Geophysics	**MERE3002** Drilling Completion Engineering	**MERE4951** (4 UoC) Research Thesis A
	MATH1131 Mathematics 1A	**Free Elective Course***	**MERE5004** Reservoir & Data Sci	**MERE3003** Reservoir Engineering
	ENGG1811 Computing for Engineers			**MERE5008** Geostorage Project
Term 3	**MATH1231** Mathematics 1B	**MATH2089** Numerical Methods and Statistics	**MERE5005** Resources Project Economics	**MERE4952** (4 UoC) Research Thesis B
	GEOS1111 Investigating Earth and Its Evolution	**MMAN2700** Thermodynamics	**ENGG2500** Fluid Mechanics for Engineers	**MERE5003** Transient Flow Analysis
	Free Elective Course^	**DESN2000** Engineering Design and Professional Practice	**Discipline Elective Course**	**General Education Course**
Term 1	**DESN1000** Engineering Design and Innovation	**ENGG2400** Mechanics of Solids 1	**MERE5006** Decommissioning and Sustainability	**MERE4953** (4 UoC) Research Thesis C
	CHEM1811 Engineering Chemistry 1A	**MERE3001** Formation Evaluation	**MINE3310** Mining Geomechanics	**General Education Course**
		MATH2018 Engineering Mathematics 2D	**MERE5007** Geostorage Modelling	**Discipline Elective Course**

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Engineering

Bachelor of Engineering (Honours) (3707)

Geoenergy & Geostorage Engineering (MEREAH)

T3 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 3	**ENGG1811** Computing for Engineers	**DESN2000** Engineering Design and Professional Practice	**MERE5003** Transient Flow Analysis	**MERE4951** (4 UoC) Research Thesis A
	DESN1000 Introduction to Engineering Design and Innovation	**MATH2089** Numerical Methods and Statistics	**ENGG2500** Fluid Mechanics for Engineers	**MERE5005** Resources Project Economics
	GEOS1111 Investigating Earth and Its Evolution	**Free Elective Course^**	**General Education Course**	**General Education Course**
Term 1	**PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A	**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D	**MINE3310** Mining Geomechanics	**MERE4952** (4 UoC) Research Thesis B
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**MMAN2700** Thermodynamics	**MERE3001** Formation Evaluation	**MERE5007** Geostorage Modelling
	CHEM1811 Engineering Chemistry 1A		**Discipline Elective Course**	**MERE5006** Decommissioning and Sustainability
Term 2	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**ENGG2400** Mechanics of Solids 1	**MERE5004** Reservoir & Data Sci	**MERE4953** Research Thesis C
	MERE2810 Mineral Resource Geology & Geophysics	**MERE3002** Drilling Completion Engineering	**MERE3003** Reservoir Engineering	**MERE5008** Geostorage Project
		Free Elective Course*		**Discipline Elective Course**

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

*Students are encouraged to select MERE1001 as a free elective. ^It is strongly recommended that students take ENGG1300 as a free elective.