

Engineering

Bachelor of Engineering (Honours) (3707)

Petroleum Engineering (PETRAH)

T1 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	CEIC2001 Materials and Energy System	Term 1	PTRL3015 Well Drilling Equipment and Operations	Term 1	PTRL4012 Petroleum Productive Engineering
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D		PTRL3025 Petroleum Economics		PTRL4020 Natural Gas Engineering
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		Free Elective Course		Discipline Elective Course		MERE4951 (4 UoC) Research Thesis A
Term 2	ENGG1811 Computing for Engineers	Term 2	MERE2001 Sedimentary and Energy Resource Geology	Term 2	PTRL3030 Reservoir Characterisation	Term 2	PTRL4021 Petroleum Production Engineering
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		MERE2002 Seismic Imaging		PTRL3001 Reservoir Engineering B		PTRL4017 Well Technology
	General Education Course		PTRL2020 Petrophysics		Discipline Elective Course		MERE4952 (4 UoC) Research Thesis B
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	PTRL2010 Business Practices in the Petroleum Industry	Term 3	PTRL3040 Numerical Reservoir Simulation	Term 3	Free Elective Course
	General Education Course		DESN2000 Engineering Design and Professional Practice		PTRL3050 Well Pressure Testing		MERE4953 (4 UoC) Research Thesis C
	PTRL2019 Reservoir Engineering A						

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.

Engineering

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T2 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	ENGG1811 Computing for Engineers	Term 2	MERE2001 Sedimentary and Energy Resource Geology	Term 2	PTRL3030 Reservoir Characterisation	Term 2	PTRL4021 Petroleum Production Engineering
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MERE2002 Seismic Imaging		PTRL3001 Reservoir Engineering B		PTRL4017 Well Technology
	MATH1131 Mathematics 1A		General Education Course		PTRL2020 Petrophysics		MERE4951 (4 UoC) Research Thesis A
Term 3	DESN1000 Engineering Design and Innovation	Term 3	PTRL2019 Reservoir Engineering A	Term 3	PTRL3040 Numerical Reservoir Simulation	Term 3	Discipline Elective Course
	MATS1101 Engineering Materials and Chemistry		PTRL2010 Business Practices in the Petroleum Industry		PTRL3050 Well Pressure Testing		Free Elective Course
	MATH1231 Mathematics 1B		DESN2000 Engineering Design and Professional Practice		Discipline Elective Course		MERE4952 (4 UoC) Research Thesis B
Term 1	MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D	Term 1	PTRL3015 Well Drilling Equipment and Operations	Term 1	PTRL4012 Petroleum Productive Engineering	Term 1	General Education Course
	CEIC2001 Materials and Energy System		PTRL3025 Petroleum Economics		PTRL4020 Natural Gas Engineering		MERE4953 (4 UoC) Research Thesis C
							Free Elective Course

NOTES

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Engineering

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T3 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	PTRL2010 Business Practices in the Petroleum Industry	Term 3	PTRL3040 Numerical Reservoir Simulation	Term 3	General Education Course
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		PTRL2019 Reservoir Engineering A		PTRL3050 Well Pressure Testing		Discipline Elective Course
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A				DESN2000 Engineering Design and Professional Practice		MERE4951 (4 UoC) Research Thesis A
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 1	MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D	Term 1	PTRL4020 Natural Gas Engineering	Term 1	Discipline Elective Course
	DESN1000 Engineering Design and Innovation		CEIC2001 Materials and Energy System		PTRL3025 Petroleum Economics		Free Elective Course
			PTRL3015 Well Drilling Equipment and Operations		PTRL4012 Petroleum Productive Engineering		MERE4952 (4 UoC) Research Thesis B
Term 2	ENGG1811 Computing for Engineers	Term 2	PTRL3001 Reservoir Engineering B	Term 2	PTRL4017 Well Technology	Term 2	General Education Course
	MERE2001 Sedimentary and Energy Resource Geology		PTRL3030 Reservoir Characterisation		PTRL4021 Petroleum Production Engineering		Free Elective Course
	MERE2002 Seismic Imaging		PTRL2020 Petrophysics				MERE4953 (4 UoC) Research Thesis C

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999
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