

Bachelor of Engineering (Honours) (3707)

Environmental Engineering (CVENBH)

T1 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	General Education Course	Term 1	CVEN3203 Applied Geotechnics	Term 1	CVEN4050 (6 UoC) OR CVEN4951 (4 UoC) (Research) Thesis A
	BIOS1301 Ecology, Sustainability & Environmental Science		ENGG2500 Fluid Mechanics for Engineers		CVEN3701 Environmental Frameworks, Law & Economics		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MATH2018 OR MATH2019 Mathematics 2D (2E)		CVEN3501 Water Resources Engineering		General Education Course
Term 2	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	Discipline Elective Course	Term 2	CVEN4051 (6 UoC) OR CVEN4952 (4 UoC) (Research) Thesis B
	CHEM1011 Chemistry 1A		CVEN2002 Engineering Computations		CVEN3402 Transport Engineering & Environmental Sustainability		CVEN4701 Planning Sustainable Infrastructure
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		CVEN2701 Water and Atmospheric Chemistry		CVEN3502 Water and Wastewater Engineering		Free Elective Course
Term 3	CVEN1701 Environmental Principles and Systems	Term 3	CEIC2009 Material and Energy Balances	Term 3	CVEN3702 Solid Wastes and Contaminant Transport	Term 3	Discipline Elective Course
	ENGG1811 Computing for Engineers		CVEN3202 Soil Mechanics		CVEN3101 Engineering Operations and Control		Free Elective Course
							CVEN4953 Research Thesis C^ (4 UoC)

NOTES

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

^Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave as blank.

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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T2 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	MATH1131 Mathematics 1A	Term 2	CVEN2701 Water and Atmospheric Chemistry	Term 2	CVEN3402 Transport Engineering & Environmental Sustainability	Term 2	CVEN4051 (6 UoC) <u>OR</u> CVEN4951 (4 UoC) (Research) Thesis A)
	PHYS1121 <u>OR</u> PHYS1131 (Higher) Physics 1A		DESN2000 Engineering Design & Professional Practice		CVEN3502 Water and Wastewater Engineering		CVEN4701 Planning Sustainable Infrastructure
	ENGG1811 Computing for Engineers		CVEN2002 Engineering Computations		General Education Course		Free Elective Course
Term 3	DESN1000 Engineering Design and Innovation	Term 3	CEIC2009 Material and Energy Balances	Term 3	CVEN3702 Solid Wastes and Contaminant Transport	Term 3	CVEN4952 <u>OR</u> Free Elective Research Thesis B (4 UoC)
	CVEN1701 Environmental Principles and Systems		ENGG2500 Fluid Mechanics for Engineers		CVEN3202 Soil Mechanics		Discipline Elective Course
	MATH1231 Mathematics 1B		CVEN3101 Engineering Operations and Control				Discipline Elective Course
Term 1	CHEM1011 <u>OR</u> CHEM1811 (Engineering) Chemistry 1A	Term 1	CVEN3501 Water Resources Engineering	Term 1	CVEN3701 Environmental Frameworks, Law & Economics	Term 1	CVEN4953 Research Thesis C^ (4 UoC)
	BIOS1301 Ecology, Sustainability & Environmental Science		MATH2018 <u>OR</u> MATH2019 Mathematics 2D (2E)		CVEN3203 Applied Geotechnics		Discipline Elective Course
					CVEN4050 (6 UoC) <u>OR</u> Free Elective Thesis A (4 UoC)		General Education Course

NOTES

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

^Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave this section blank.

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T3 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	MATH1131 OR MATH1141 (Higher) Mathematics 1A	Term 3	CEIC2009 Material and Energy Balances	Term 3	CVEN3101 Engineering Operations and Control	Term 3	CVEN4701 Planning Sustainable Infrastructure
	CVEN1701 Environmental Principles and Systems		ENGG2500 Fluid Mechanics for Engineers		CVEN3702 Solid Wastes and Contaminant Transport		CVEN4951 (4 UoC) Research Thesis A [^]
	DESN1000 Engineering Design and Innovation		General Education Course		CVEN3202 Soil Mechanics		Discipline Elective Course
Term 1	CHEM1011 OR CHEM1811 (Engineering) Chemistry 1A	Term 1	MATH2018 OR MATH2019 Mathematics 2D (2E)	Term 1	CVEN3203 Applied Geotechnics	Term 1	CVEN4050 (6 UoC) OR CVEN4952 (4 UoC) Thesis A or Research Thesis B
	BIOS1301 Ecology, Sustainability & Environmental Science		CVEN3701 Environmental Frameworks, Law and Economics		CVEN3501 Water Resources Engineering		General Education Course
	MATH1231 OR MATH1241 (Higher) Mathematics 1B				Free Elective Course		Discipline Elective Course
Term 2	ENGG1811 Computing for Engineers	Term 2	CVEN2701 Water and Atmospheric Chemistry	Term 2	CVEN3402 Transport Engineering & Environmental Sustainability	Term 2	CVEN4051 (6 UoC) OR CVEN4953 (4 UoC) Thesis B or Research Thesis C
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		CVEN2002 Engineering Computations		CVEN3502 Water and Wastewater Engineering		Discipline Elective Course
			DESN2000 Engineering Design & Professional Practice				Free Elective Course

NOTES

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

[^]Only required if students wants to complete Research Thesis. Otherwise, leave as blank.

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