

Engineering

Bachelor of Engineering (Honours) (3707)

Civil Engineering (CVENAH)

T1 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		
Term 1	DESN1000 Engineering Design and Innovation	Term 1	ENGG2400 Mechanics of Solids	Term 1	CVEN3203 Applied Geotechnics	
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		ENGG2500 Fluid Mechanics for Engineers		CVEN3303 Steel Structures	
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		MATH2018 Engineering Mathematics 2D OR MATH2019 Mathematics 2D (2E)		CVEN3501 Water Resources Engineering	
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	CVEN3304 Concrete Structures	
	CVEN2101 Engineering Construction		CVEN2002 Engineering Computations		CVEN3401 Sustainable Transport & Highway Engineering	
	ENGG1300 Engineering Mechanics		CVEN2303 Structural Analysis and Modelling		CVEN3502 Water and Wastewater Engineering	
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	General Education Course	Term 3	Free Elective Course	
	ENGG1811 Computing for Engineers		CVEN3202 Soil Mechanics		CVEN3101 Engineering Operations and Control	

NOTES	<p>Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999</p> <p>*Students completing CVEN4951/2/3 Research Thesis will need to complete CVEN4701 as one of their Discipline Electives. This is a compulsory requirement for graduations. Students completing CVEN4050/1 Thesis are not required to complete CVEN4701, but may still enrol if they wish to do so.</p> <p>^Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave as blank.</p> <p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</p>
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Year 1

Year 1	
Term 3	DESN1000 Engineering Design and Innovation
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A
	MATS1101 Engineering Materials and Chemistry
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A
	ENGG1811