

# Engineering

## Bachelor of Engineering (Honours) (3707)

### Civil Engineering (CVENAH)

## T1 Entry 2024 Sample Plan



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

<b>NOTES</b>	<p>Compulsory Training Component: There is a program requirement of 60 days approved <a href="#">Industrial Training</a> ENGG4999</p> <p><b>*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.</b></p> <p>^Only required if students have enrolled into CVEN4951 and CVEN4952. Otherwise, leave as blank.</p> <p><b>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</b></p>
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## Year 1

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