

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 |

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| NOTES | Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999 |
| | *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. |
| | ^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.



Year 1

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| 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 |
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