Engineering

# Bachelor of Engineering

## Civil Engineering with Architecture (Honours) (3635)

## T1 Entry 2025 Sample Plan

| Year 1 | |
|---|---|
| Term 1 | **PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A |
| | **MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A |
| | **ARCH1080** Intro to Architecture and Enabling Skills |
| Term 2 | **MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B |
| | **BENV1015** History of Design Thinking |
| | **ENGG1300** Engineering Mechanics |
| Term 3 | **DESN1000** Engineering Design and Innovation |
| | **Lvl 1 Engineering Elective** |
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| Year 2 | |
|---|---|
| Term 1 | **ENGG2400** Mechanics of Solids |
| | **BENV1010** Communication in the Built Environment |
| | **ARCH1101** Architectural Design Studio 1 |
| Term 2 | **CVEN2101** Engineering Construction |
| | **CVEN2002** Engineering Computations |
| | **MATH2018** Engineering Mathematics 2D |
| Term 3 | **CVEN2303** Structural Analysis and Modelling |
| | **ENGG2500** Fluid Mechanics for Engineers |
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| Year 3 | |
|---|---|
| Term 1 | **CVEN3303** Steel Structures |
| | **CVEN3501** Water Resources Engineering |
| | **Built Environment Elective** |
| Term 2 | **CVEN3304** Concrete Structures |
| | **CVEN3502** Water and Wastewater Engineering |
| | **ARCH1102** Architectural Design Studio 2 |
| Term 3 | **CVEN3202** Soil Mechanics |
| | **CVEN3101** Engineering Operations and Control |
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| Year 4 | |
|---|---|
| Term 1 | **CVEN4050** (6 UoC) Thesis A OR **CVEN4951** (4 UoC) Research Thesis A* |
| | **ARCH1201** Architectural Design Studio 3 |
| | **CVEN3203** Applied Geotechnics |
| Term 2 | **CVEN4051** (6 UoC) Thesis B OR **CVEN4952** (4 UoC) Research Thesis B* |
| | **Built Environment Elective** |
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| Term 3 | **CVEN4953**^ Research Thesis C^ (4 UoC) OR **Civil Eng Lvl 4 Discipline Elective** OR **Built Environment Elective** |
| | **CVEN4701** Planning Sustainable Infrastructure |
| | **Civil Eng Lvl 4 Discipline Elective** OR **Built Environment Elective** |

**NOTES**

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

***School approval is required for alternative thesis options CVEN4951/4952/4953.** ^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.**