

Bachelor of Engineering (Honours) and Master of Engineering

Civil Engineering

Undergraduate Program - Consists of 80 units

Suggested Study Plans from 2025 Commencement Onwards



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Program and Course requirements

For the **Bachelor of Engineering (Honours) and Master of Engineering** full program and course requirements, [click here](#). Make sure to check your program's rules to ensure you are compliant with requirements.

Prerequisite Courses

Students are expected to be aware if a course has prerequisites and must have successfully completed any required prerequisites before enrolling. A prerequisite course provides the foundational knowledge needed to progress to the next course and may be high school subjects or university-level study/courses.

Prerequisites are listed on the course profile and the course page on the [Programs and Courses website](#).

Electives

Depending on your program, you may need to complete compulsory and elective courses.

Electives are courses you can choose, while compulsory courses are mandatory courses that you must study. You must successfully complete all the required units of elective and compulsory courses to meet the program requirements. Your program rules outline how many electives you can study and the types of electives you can choose from.

Search [Programs and Courses website](#) for your program to confirm program rules and elective options.

Academic Advice

Academic advisors provide specialist help in course selection and can look at your individual study history to make personalised recommendations on your study plan.

If you need assistance with your program, you can [seek Academic Advice](#).

Additional Information

Course profiles are underlined and hyperlinked to their relevant course page which can be accessed by clicking the underlined text.

Students must follow the [program rules and requirements](#) listed on the my.UQ website. Future course offerings are subject to change. [Seek academic advice](#) if you are undertaking a dual degree, have any questions or if you fail any courses.

Published: July 2025

Bachelor of Engineering (Honours) and Master of Engineering

Civil Engineering (Research Thesis)

Undergraduate Program - Consists of 80 units

Suggested Study Plan from Semester 1, 2025 Commencement Onwards

The following is a colour reference guide, including notes around course offerings and units:

| | | |
|-------------------|----------------|-------------------|
| Core Courses | Field of Study | Program Electives |
| General Electives | | |



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| | |
|--|---|
| | Course offered in both Semester 1 & 2 |
| | This course does not consist of 2 units |
| | Elective may be substituted for another Elective type as per Program requirements |

| YEAR 1 | | | | |
|---------------|--|---|--|--|
| Sem 1 Feb | ENGG1100 Professional Engineering | MATH1051 Calculus and Linear Algebra I | ENGG1700 Statics and Materials | GENERAL ELECTIVE OR PROGRAM ELECTIVE |
| Sem 2 July | ENGG1001 Programming for Engineers | MATH1052 Multivariate Calc & Ordinary Differential Equations | GENERAL ELECTIVE OR PROGRAM ELECTIVE | GENERAL ELECTIVE OR PROGRAM ELECTIVE |
| YEAR 2 | | | | |
| Sem 1 Feb | CIVL2131 Environmental Fluid Mechanics | CIVL2135 Introduction to Environmental Engineering | CIVL2330 Structural Mechanics | CIVL2530 Statistics and Data Analysis |
| Sem 2 July | CIVL2210 Soil Mechanics | CIVL2420 Fundamentals of Transportation Engineering | CIVL3155 Hydrology and Free Surface Flows | CIVL3360 Reinforced Concrete Design |
| YEAR 3 | | | | |
| Sem 1 Feb | CIVL3210 Geotechnical Engineering | CIVL3530 Data Analytics in Civil Engineering | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE |
| Sem 2 July | CIVL3520 Project Management and Professional Practice | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE |
| YEAR 4 | | | | |
| Sem 1 Feb | CIVL4170 Risk Analysis in Civil Engineering | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE |
| Sem 2 July | CIVL4516 ¹ OR CIVL4518 ¹ | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE | BE(Hons)/ME ELECTIVE |
| YEAR 5 | | | | |
| Sem 1 Feb | BE(Hons)/ME ELECTIVE | BE(Hons)/ME MASTERS ELECTIVE | CIVL7500 ² Research Thesis | |
| Sem 2 July | BE(Hons)/ME ELECTIVE | BE(Hons)/ME MASTERS ELECTIVE | | |

¹ CIVL4516: Integrated Design for the Natural Environment, CIVL4518: Integrated Design for the Built Environment

² May choose to do an Industry Placement which takes the entirety of Sem 2 (July) of Year 4; **ENGG7292: Engineering Placement B**

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