Bachelor of Engineering (Honours) and Master of Engineering

Civil and Environmental Engineering

Undergraduate Program - Consists of 80 units
Suggested Study Plans from **2025** Commencement Onwards

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA
CREATE CHANGE

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.

CRICOS: 00025B TEQSA: PRV12080

Bachelor of Engineering (Honours) and Master of Engineering

Civil and Environmental Engineering (Research Thesis)

Undergraduate Program - Consists of 80 units
Suggested Study Plan from **Semester 1, 2025** Commencement Onwards

The University Of Queensland
AUSTRALIA

CREATE CHANGE

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

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

1 & 2 — Course offered in both Semester 1 & 2

X units — 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 (1 & 2)	MATH1051 Calculus and Linear Algebra I (1 & 2)	ENGG1700 Statics and Materials (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
Sem 2 July	ENGG1001 Programming for Engineers (1 & 2)	MATH1052 Multivariate Calc & Ordinary Differential Equations (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
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	ENVE2501 Environmental Systems	ENVE3150 Environmental Systems Dynamics and Modelling	BE(Hons)/ME ELECTIVE (!)
YEAR 4				
Sem 1 Feb	CIVL4170 Risk Analysis in Civil Engineering	ENVE3160 Environmental Phenomena	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	ENVE4610 Engineering the Circular Economy	BE(Hons)/ME MASTERS ELECTIVE	CIVL7500[2] Research Thesis (8 units)	
Sem 2 July	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE		

NOTES

[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

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: December 2025

CRICOS: 00025B TEQSA: PRV12080

Bachelor of Engineering (Honours) and Master of Engineering

Civil and Environmental Engineering (Industry Placement)

Undergraduate Program - Consists of 80 units
Suggested Study Plan from **Semester 1, 2025** Commencement Onwards

The University Of Queensland
AUSTRALIA

CREATE CHANGE

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

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

1 & 2 — Course offered in both Semester 1 & 2

X units — 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 (1 & 2)	MATH1051 Calculus and Linear Algebra I (1 & 2)	ENGG1700 Statics and Materials (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
Sem 2 July	ENGG1001 Programming for Engineers (1 & 2)	MATH1052 Multivariate Calc & Ordinary Differential Equations (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
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	ENVE2501 Environmental Systems	ENVE3150 Environmental Systems Dynamics and Modelling	BE(Hons)/ME ELECTIVE (!)
YEAR 4				
Sem 1 Feb	CIVL4170 Risk Analysis in Civil Engineering	ENVE3160 Environmental Phenomena	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
Sem 2 July	ENGG7292[1] Engineering Placement B (8 units)			
YEAR 5				
Sem 1 Feb	ENVE4610 Engineering the Circular Economy	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE
Sem 2 July	CIVL4516[2] OR CIVL4518[2]	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE

NOTES

[1] May choose to do a Research Thesis across two semesters instead, starting in; Semester 1: CIVL7500 or Semester 2: CIVL7501
[2] CIVL4516: Integrated Design for the Natural Environment, CIVL4518: Integrated Design for the Built Environment

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: December 2025

CRICOS: 00025B TEQSA: PRV12080

Bachelor of Engineering (Honours) and Master of Engineering

Civil and Environmental Engineering (Research Thesis)

Undergraduate Program - Consists of 80 units
Suggested Study Plan from **Semester 2, 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

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

1 & 2 — Course offered in both Semester 1 & 2

X units — This course does not consist of 2 units

! — Elective may be substituted for another Elective type as per Program requirements

YEAR 1				
Sem 2 July	ENGG1100 Professional Engineering (1 & 2)	MATH1051 Calculus and Linear Algebra I (1 & 2)	ENGG1700 Statics and Materials (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
Sem 1 Feb	ENGG1001 Programming for Engineers (1 & 2)	MATH1052 Multivariate Calc & Ordinary Differential Equations (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
YEAR 2				
Sem 2 July	CIVL2210 Soil Mechanics	CIVL2420 Fundamentals of Transportation Engineering	CIVL3155 Hydrology and Free Surface Flows	CIVL3360 Reinforced Concrete Design
Sem 1 Feb	CIVL2131 Environmental Fluid Mechanics	CIVL2135 Introduction to Environmental Engineering	CIVL2330 Structural Mechanics	CIVL2530 Statistics and Data Analysis
YEAR 3				
Sem 2 July	CIVL3520 Project Management and Professional Practice	ENVE2501 Environmental Systems	ENVE3150 Environmental Systems Dynamics and Modelling	BE(Hons)/ME ELECTIVE (!)
Sem 1 Feb	CIVL3210 Geotechnical Engineering	CIVL3530 Data Analytics in Civil Engineering	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
YEAR 4				
Sem 2 July	CIVL4516[1] OR CIVL4518[1]	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
Sem 1 Feb	CIVL4170 Risk Analysis in Civil Engineering	ENVE3160 Environmental Phenomena	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
YEAR 5				
Sem 2 July	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE	CIVL7501[2] Research Thesis — 8 units	
Sem 1 Feb	ENVE4610 Engineering the Circular Economy	BE(Hons)/ME MASTERS ELECTIVE		

NOTES

[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

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: December 2025

CRICOS: 00025B TEQSA: PRV12080

Bachelor of Engineering (Honours) and Master of Engineering

Civil and Environmental Engineering (Industry Placement)

Undergraduate Program - Consists of 80 units
Suggested Study Plan from **Semester 2, 2025** Commencement Onwards

The University Of Queensland
AUSTRALIA

CREATE CHANGE

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

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

1 & 2 — Course offered in both Semester 1 & 2

X units — This course does not consist of 2 units

! — Elective may be substituted for another Elective type as per Program requirements

YEAR 1				
Sem 2 July	ENGG1100 Professional Engineering (1 & 2)	MATH1051 Calculus and Linear Algebra I (1 & 2)	ENGG1700 Statics and Materials (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
Sem 1 Feb	ENGG1001 Programming for Engineers (1 & 2)	MATH1052 Multivariate Calc & Ordinary Differential Equations (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)	GENERAL ELECTIVE (1 & 2) OR PROGRAM ELECTIVE (1 & 2)
YEAR 2				
Sem 2 July	CIVL2210 Soil Mechanics	CIVL2420 Fundamentals of Transportation Engineering	CIVL3155 Hydrology and Free Surface Flows	CIVL3360 Reinforced Concrete Design
Sem 1 Feb	CIVL2131 Environmental Fluid Mechanics	CIVL2135 Introduction to Environmental Engineering	CIVL2330 Structural Mechanics	CIVL2530 Statistics and Data Analysis
YEAR 3				
Sem 2 July	CIVL3520 Project Management and Professional Practice	ENVE2501 Environmental Systems	ENVE3150 Environmental Systems Dynamics and Modelling	BE(Hons)/ME ELECTIVE (!)
Sem 1 Feb	CIVL3210 Geotechnical Engineering	CIVL3530 Data Analytics in Civil Engineering	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
YEAR 4				
Sem 2 July	CIVL4516[1] OR CIVL4518[1]	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE
Sem 1 Feb	CIVL4170 Risk Analysis in Civil Engineering	ENVE3160 Environmental Phenomena	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)
YEAR 5				
Sem 2 July	ENGG7292[2] Engineering Placement B (8 units)			
Sem 1 Feb	ENVE4610 Engineering the Circular Economy	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME ELECTIVE (!)	BE(Hons)/ME MASTERS ELECTIVE

NOTES

[1] CIVL4516: Integrated Design for the Natural Environment, CIVL4518: Integrated Design for the Built Environment
[2] May choose to do a Research Thesis across two semesters instead, starting in; Semester 1: CIVL7500 or Semester 2: CIVL7501

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: December 2025

CRICOS: 00025B TEQSA: PRV12080