

# Bachelor of Engineering (Honours)

## Software Engineering

### No Major

Undergraduate Program - Consists of 64 units

Suggested Study Plans from 2025 Commencement Onwards



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## Program and Course requirements

For the **Bachelor of Engineering (Honours)** 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.

Program/General/Breadth/Advanced Electives can be found by clicking the hyperlinked elective text, and selecting "Software Engineering Plan Options/Software Engineering No Major Option" options for more information.

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

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## Software Engineering

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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	Specialisation	Program Electives
General Electives	Breadth Electives	Advanced Electives
Extension Courses		



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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	<b>ENGG1100</b> Professional Engineering	<b>MATH1051</b> Calculus and Linear Algebra I	<b>ENGG1300</b> Introduction to Electrical Systems	<b>GENERAL ELECTIVE</b> OR <b>PROGRAM ELECTIVE</b>
Sem 2 July	<b>CSSE1001</b> Introduction to Software Engineering	<b>MATH1052</b> Multivariate Calc & Ordinary Differential Equations	<b>INFS1200</b> Introduction to Information Systems	<b>GENERAL ELECTIVE</b> OR <b>PROGRAM ELECTIVE</b>

YEAR 2				
Sem 1 Feb	<b>CSSE2002</b> Programming in the Large	<b>CSSE2010</b> Introduction to Computer Systems	<b>MATH1061</b> Discrete Mathematics	<b>DECO2500</b> Human-Computer Interaction
Sem 2 July	<b>CSSE2310</b> Computer Systems Principles and Programming	<b>CSSE3200</b> Software Engineering Studio: Design, Implement and Test	<b>STAT2203</b> Probability Models & Data Analysis	<b>PROGRAM ELECTIVE</b>

YEAR 3				
Sem 1 Feb	<b>CSSE3012</b> The Software Process	<b>COMP3400</b> Functional and Logic Programming	<b>DECO3800</b> Design Computing Studio 3 - Proposal	<b>GENERAL ELECTIVE</b>
Sem 2 July	<b>COMP3506</b> Algorithms and Data Structures	<b>DECO3801</b> Design Computing Studio 3 - Build	<b>GENERAL ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>

YEAR 4				
Sem 1 Feb	 <b>REIT4841</b> Research and Development Methods and Practice	<b>CSSE6400</b> Software Architecture	<b>BREADTH ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>
Sem 2 July		<b>ENGG4902<sup>1</sup></b> Professional Practice and the Business Environment B	<b>BREADTH ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>

NOTES				
<sup>1</sup> Offered in Semester 1 under the course code <a href="#">ENGG4901</a> , Professional Practice and the Business Environment A				

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## Software Engineering

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Suggested Study Plan from **Semester 2, 2025** Commencement Onwards

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Core Courses	Specialisation	Program Electives
General Electives	Breadth Electives	Advanced Electives
Extension Courses		



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	Course offered in both Semester 1 & 2
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YEAR 1				
Sem 2 July	<b>ENGG1100</b> Professional Engineering	<b>MATH1051</b> Calculus and Linear Algebra I	<b>ENGG1300</b> Introduction to Electrical Systems	<b>GENERAL ELECTIVE</b> OR <b>PROGRAM ELECTIVE</b>
Sem 1 Feb	<b>CSSE1001</b> Introduction to Software Engineering	<b>MATH1052</b> Multivariate Calc & Ordinary Differential Equations	<b>INFS1200</b> Introduction to Information Systems	<b>GENERAL ELECTIVE</b> OR <b>PROGRAM ELECTIVE</b>

YEAR 2				
Sem 2 July	<b>CSSE2002</b> Programming in the Large	<b>CSSE2010</b> Introduction to Computer Systems	<b>MATH1061</b> Discrete Mathematics	<b>STAT2203</b> Probability Models & Data Analysis
Sem 1 Feb	<b>CSSE2310</b> Computer Systems Principles and Programming	<b>DECO2500</b> Human-Computer Interaction	<b>COMP3400</b> Functional and Logic Programming	<b>PROGRAM ELECTIVE</b>

YEAR 3				
Sem 2 July	<b>CSSE3200</b> Software Engineering Studio: Design, Implement and Test	<b>COMP3506</b> Algorithms and Data Structures	<b>DECO3801</b> Design Computing Studio 3 - Build	<b>GENERAL ELECTIVE</b>
Sem 1 Feb	<b>CSSE3012</b> The Software Process	<b>DECO3800</b> Design Computing Studio 3 - Proposal	<b>GENERAL ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>

YEAR 4				
Sem 2 July	 <b>REIT4842</b> Research and Development Methods and Practice	 <b>ENGG4902<sup>1</sup></b> Professional Practice and the Business Environment B	<b>BREADTH ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>
Sem 1 Feb		<b>CSSE6400</b> Software Architecture	<b>BREADTH ELECTIVE</b>	<b>ADVANCED ELECTIVE</b>

NOTES				
<sup>1</sup> Offered in Semester 1 under the course code <a href="#">ENGG4901</a> , Professional Practice and the Business Environment A				

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