

Bachelor of Engineering (Honours)

Software Engineering

Computer Engineering Major

Undergraduate Program - Consists of 64 units

Suggested Study Plans from 2026 Commencement Onwards



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

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.

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.

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

Core Courses	Specialisation	Program Electives
General Electives	Major	

1 & 2	Course offered in both Semester 1 & 2
X units	This course does not consist of 2 units

YEAR 1				
Sem 1 Feb	ENGG1100 Professional Engineering	MATH1051 Calculus and Linear Algebra I	ENGG1300 Introduction to Electrical Systems	GENERAL ELECTIVE OR PROGRAM ELECTIVE
Sem 2 July	CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calc & Ordinary Differential Equations	INFS1200 Introduction to Information Systems	GENERAL ELECTIVE OR PROGRAM ELECTIVE

YEAR 2				
Sem 1 Feb	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1061¹ Discrete Mathematics	DECO2500 Human-Computer Interaction
Sem 2 July	CSSE2310 Computer Systems Principles and Programming	CSSE3200 Software Engineering Studio: Design, Implement and Test	STAT2203 Probability Models & Data Analysis	PROGRAM ELECTIVE

YEAR 3				
Sem 1 Feb	COMP2701 Generative Artificial Intelligence	DECO3800 Design Computing Studio 3 - Proposal	ELEC2400 Electronic Devices and Circuits	PROGRAM ELECTIVE
Sem 2 July	CSSE3030 Software Testing and Automation	COMP3506 Algorithms and Data Structures	CSSE4801 Software Engineering Studio: Build	CSSE3010 Embedded Systems Design and Interfacing

YEAR 4				
Sem 1 Feb	REIT4841 Research and Development Methods and Practice	CSSE6400 Software Architecture	CSSE4011 Advanced Embedded Systems	PROGRAM ELECTIVE
Sem 2 July	ENGG4902¹ Professional Practice and the Business Environment B	CSSE4010 Digital System Design	PROGRAM ELECTIVE	

NOTES

¹ Students who wish to explore MATH1061, Discrete Mathematics, in greater depth and breadth can substitute the class with MATH1081, Advanced Discrete Mathematics, (Sem 1 Only)

² Offered in Semester 1 under the course code ENGG4901, Professional Practice and the Business Environment A

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Core Courses	Specialisation	Program Electives
General Electives	Major	

	Course offered in both Semester 1 & 2
	This course does not consist of 2 units

YEAR 1				
Sem 2 July	ENGG1100 Professional Engineering	MATH1051 Calculus and Linear Algebra I	ENGG1300 Introduction to Electrical Systems	GENERAL ELECTIVE OR PROGRAM ELECTIVE
Sem 1 Feb	CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calc & Ordinary Differential Equations	INFS1200 Introduction to Information Systems	GENERAL ELECTIVE OR PROGRAM ELECTIVE

YEAR 2				
Sem 2 July	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1061¹ Discrete Mathematics	STAT2203 Probability Models & Data Analysis
Sem 1 Feb	CSSE2310 Computer Systems Principles and Programming	DECO2500 Human-Computer Interaction	COMP2701 Generative Artificial Intelligence	PROGRAM ELECTIVE

YEAR 3				
Sem 2 July	CSSE3030 Software Testing and Automation	CSSE3200 Software Engineering Studio: Design, Implement and Test	COMP3506 Algorithms and Data Structures	CSSE3010 Embedded Systems Design and Interfacing
Sem 1 Feb	DECO3800 Design Computing Studio 3 - Proposal	ELEC2400 Electronic Devices and Circuits	PROGRAM ELECTIVE	PROGRAM ELECTIVE

YEAR 4				
Sem 2 July	REIT4842 Research and Development Methods and Practice	CSSE4801 Software Engineering Studio: Build	ENGG4902² Professional Practice and the Business Environment B	CSSE4010 Digital System Design
Sem 1 Feb		CSSE6400 Software Architecture	CSSE4011 Advanced Embedded Systems	PROGRAM ELECTIVE

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