

Bachelor of Computer Science

Programming Theory Major

Undergraduate Program - Consists of 48 units
Suggested Study Plans from 2026 Commencement Onwards

Program and Course requirements

For the **Bachelor of Computer Science** 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.

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Undergraduate Program - Consists of 48 units
Suggested Study Plan from Semester 1, 2026 Commencement Onwards

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

Core Courses (24 Units)	Program Electives (0-16 Units)	General Electives (0-16 Units)
Breadth Electives (0-16 Units)	Major (16 Units)	



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

	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	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	STAT1201 ¹ Analysis of Scientific Data	GENERAL ELECTIVE
Sem 2 July	COMP1100 Introduction to Software Innovation	MATH1061 ² Discrete Mathematics	CSSE2002 Programming in the Large	COMP2200 Ethical Practice in Computing

YEAR 2				
Sem 1 Feb	CSSE2010 Introduction to Computer Systems	DECO2500 Human-Computer Interaction	PROGRAM ELECTIVE ³	GENERAL ELECTIVE
Sem 2 July	CSSE2310 Computer Systems Principles and Programming	COMP3506 Algorithms and Data Structures	CSSE3610 Concurrency: Theory and Practice	MATH3306 Set Theory & Mathematical Logic

YEAR 3				
Sem 1 Feb	CSSE3100 Reasoning About Programs	COMP3400 Functional and Logic Programming	COMP4403 Compilers and Interpreters	GENERAL ELECTIVE
Sem 2 July	DECO3801 Design Computing Studio 3 - Build	CSSE4630 Principles of Program Analysis	MAJOR ELECTIVE	GENERAL ELECTIVE

NOTES

¹ Students who wish to explore [STAT1201, Analysis of Scientific Data](#), in greater depth and breadth can substitute the class with [STAT1301, Advanced Analysis of Scientific Data](#), (Sem 2 Only)

² 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)

³ Program Elective can be substituted for an additional [Programming Theory Major Elective Course](#)

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.

Bachelor of Computer Science

Programming Theory Major

Undergraduate Program - Consists of 48 units

Suggested Study Plan from Semester 2, 2026 Commencement Onwards

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

Core Courses (24 Units)	Program Electives (0-16 Units)	General Electives (0-16 Units)
Breadth Electives (0-16 Units)	Major (16 Units)	



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