

Bachelor of Computer Science

Major in Data Science + Major in Programming Languages

Commencing Semester 1

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Courses

Year	Semester	Core Courses	Primary Major Courses	Secondary Major Courses
Year 1	Sem 1 Feb	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1051* Calculus and Linear Algebra I
	Sem 2 July	COMP1100 Introduction to Software Innovation	MATH1061* Discrete Mathematics	STAT1201* Analysis of Scientific Data
Year 2	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	DECO1400 Introduction to Web Design
	Sem 2 July	COMP3506 Algorithms & Data Structures	INFS2200 Relational Database Systems	COMP2011 Fundamentals of Data Science
Year 3	Sem 1 Feb	COMP2140 Web/Mobile Programming	COMP3400 Functional and Logic Programming	CSSE2310 Computer Systems Principles & Programming
	Sem 2 July	INFS3200 Advanced Database Systems	COMP4403 Compilers and Interpreters	CSSE3100 Reasoning About Programming
		DECO3801 Design Computing Studio 3: Build	STAT2004 Statistical Modelling and Analysis	DECO2500 Human-Computer Interaction
				Level 3 or 4 Program Elective

2 Choose **2 units** to replace DECO3801 in the **Secondary Major**, at the same level or higher, from **BCompSc Program Elective Courses**: <https://my.uq.edu.au/programs-courses/requirements/program/2451>

*STAT1301 Advanced Analysis of Scientific Data may be taken in place of STAT1201 (only in Semester 2).

*MATH1071 Advanced Calculus & Linear Algebra I may be taken in place of MATH1051 (only in Semester 2).

*MATH1081 Advanced Discrete Mathematics may be taken in place of MATH1061 (only in Semester 1).

Course offered in both Semester 1 and 2.

Students must follow the program and course requirements.

Seek advice from the School of EECS if you are undertaking a dual degree, have any questions or if you fail any courses.

Email studentenquiries@eeecs.uq.edu.au.

Study plan published 2025. Future course offerings are subject to change.