

Bachelor of Computer Science

Major in Data Science + Major in Scientific Computing

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	STAT1201* Analysis of Scientific Data
	Sem 2 July	COMP1100 Introduction to Software Innovation	MATH1061* Discrete Mathematics	MATH1051* Calculus and Linear Algebra I
Year 2	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	SCIE2100 Bioinformatics 1: Introduction
	Sem 2 July	COMP3506 Algorithms & Data Structures	INFS2200 Relational Database Systems	MATH1052* Multivariate Calculus & Ordinary Differential Equations
Year 3	Sem 1 Feb	COMP2048 Theory of Computing	COMP2011 Fundamentals of Data Science	COSC2500 Numerical Methods in Computational Science
	Sem 2 July	STAT2004 Statistical Modelling and Analysis	DECO3801 Design Computing Studio 3: Build	COSC3500 High-Performance Computing

2

Choose **6 units** to replace STAT1201, MATH1051 and 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).

*MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations may be taken in place of MATH1052 (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@eecs.uq.edu.au.

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