

Bachelor of Computer Science

Major in Data Science + Major in Machine Learning

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 1+2	INFS1200 Introduction to Information Systems 1+2	STAT1201* Analysis of Scientific Data 1+2	MATH1051* Calculus and Linear Algebra I 1+2
	Sem 2 July	COMP1100 Introduction to Software Innovation 1+2	MATH1061* Discrete Mathematics 1+2	CSSE2002 Programming in the Large 1+2	CSSE2010 Introduction to Computer Systems 1+2
Year 2	Sem 1 Feb	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	MATH1052* Multivariate Calculus & Ordinary Differential Equations 1+2	Program Elective
	Sem 2 July	COMP3506 Algorithms & Data Structures	COMP2011 Fundamentals of Data Science	INFS2200 Relational Database Systems	STAT2004 Statistical Modelling and Analysis
Year 3	Sem 1 Feb	INFS3200 Advanced Database Systems	COMP4702 Machine Learning	Program Elective	Program Elective
	Sem 2 July	DECO3801 Design Computing Studio 3: Build 1+2	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning	COMP3702 Artificial Intelligence

Course offered in both Semester 1 and 2. **1+2**

2 Choose **6 units** to replace STAT1201, MATH1051, and DECO3801 in the **Secondary Major**, at the same level or higher, from the **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).

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.