

Bachelor of Computer Science

Major in Machine Learning + Major in Programming Languages

Commencing Semester 1

1 The study plan below shows the required:

Core Courses

Primary Major Courses

Secondary Major Compulsory Courses

Year	Semester	Core Courses	Primary Major Courses	Secondary Major Compulsory 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	CSSE2002 Programming in the Large	MATH1061* Discrete Mathematics
Year 2	Sem 1 Feb	COMP2048 Theory of Computing	CSSE2010 Introduction to Computer Systems	MATH1052* Multivariate Calculus & Ordinary Differential Equations
	Sem 2 July	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	COMP2140 Web/Mobile Programming
Year 3	Sem 1 Feb	COMP4702 Machine Learning	COMP3400 Functional & Logic Programming	COMP4403 Compilers & Interpreters
	Sem 2 July	DECO3801 Design Computing Studio 3: Build	COMP3710 Pattern Recognition and Analysis	STAT3006 Statistical Learning

2 Complete exactly **2 units** of **Secondary Major Elective Courses** from the options below, accounting for prerequisites:

Sem 1 **DECO2500**

Sem 2 **DECO2500**
INFS2200

3 Choose the remaining **2 units** to replace 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.