

# Bachelor of Computer Science

## Major in Machine Learning

Commencing Semester 1

1 The study plan below shows the required:

Core Courses

Major Courses

Year 1	Sem 1 Feb	<b>CSSE1001</b> Introduction to Software Engineering <i>1+2</i>	<b>INFS1200</b> Introduction to Information Systems <i>1+2</i>	<b>STAT1201*</b> Analysis of Scientific Data <i>1+2</i>	<b>MATH1051*</b> Calculus and Linear Algebra I <i>1+2</i>
	Sem 2 July	<b>COMP1100</b> Introduction to Software Innovation <i>1+2</i>	<b>MATH1061*</b> Discrete Mathematics <i>1+2</i>	<b>CSSE2002</b> Programming in the Large <i>1+2</i>	<b>CSSE2010</b> Introduction to Computer Systems <i>1+2</i>
Year 2	Sem 1 Feb	<b>COMP2048</b> Theory of Computing	<b>MATH1052*</b> Multivariate Calculus & Ordinary Differential Equations <i>1+2</i>	Elective Breadth, Program or General	Elective Breadth, Program or General
	Sem 2 July	<b>COMP3506</b> Algorithms & Data Structures	<b>COMP3702</b> Artificial Intelligence	Elective Breadth, Program or General	Elective Breadth, Program or General
Year 3	Sem 1 Feb	<b>COMP4702</b> Machine Learning	Elective Breadth, Program or General	Elective Breadth, Program or General	Elective Breadth, Program or General
	Sem 2 July	<b>COMP3710</b> Pattern Recognition and Analysis	<b>DECO3801</b> Design Computing Studio 3: Build <i>1+2</i>	<b>STAT3006</b> Statistical Learning	Elective Breadth, Program or General

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

2 Choose **16 units** from any of the lists below, accounting for prerequisites:

- BCompSc Breadth Elective Courses
- BCompSc Program Elective Courses

From BCompSc Program & Course Requirements  
(<https://my.uq.edu.au/programs-courses/requirements/program/2451/>)

- General Elective Courses

Note: Of the 48 units required for the program, you must complete at least 8 units at Level 3 or higher and no more than 24 units at Level 1.

\*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](mailto:studentenquiries@eecs.uq.edu.au).

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