

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	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	MATH1052* Multivariate Calculus & Ordinary Differential Equations 1+2	Elective Breadth, Program or General	Elective Breadth, Program or General
	Sem 2 July	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	Elective Breadth, Program or General	Elective Breadth, Program or General
Year 3	Sem 1 Feb	COMP4702 Machine Learning	Elective Breadth, Program or General	Elective Breadth, Program or General	Elective Breadth, Program or General
	Sem 2 July	COMP3710 Pattern Recognition and Analysis	DECO3801 Design Computing Studio 3: Build 1+2	STAT3006 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@eeecs.uq.edu.au.

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

Bachelor of Computer Science





Major in Machine Learning


Commencing Semester 2

1 The study plan below shows the required:

Core Courses

Major Courses

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

Course offered in both Semester 1 and 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
[\(https://my.uq.edu.au/programs-courses/requirements/program/2451/\)](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.

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