Bachelor of Computer Science

Major in Machine Learning + Major in Programming Languages

Commencing Semester 1

The University Of Queensland
AUSTRALIA
CREATE CHANGE

1 The study plan below shows the required: **Core Courses** | **Primary Major Courses** | **Secondary Major Compulsory Courses**

Year 1	Sem 1 Feb	**CSSE1001** Introduction to Software Engineering 1+2	**INFS1200** Introduction to Information Systems 1+2	**MATH1051*** Calculus and Linear Algebra I 1+2	**DECO1400** Introduction to Web Design
	Sem 2 July	**COMP1100** Introduction to Software Innovation 1+2	**CSSE2002** Programming in the Large 1+2	**MATH1061*** Discrete Mathematics 1+2	**STAT1201*** Analysis of Scientific Data 1+2
Year 2	Sem 1 Feb	**COMP2048** Theory of Computing	**CSSE2010** Introduction to Computer Systems 1+2	**MATH1052*** Multivariate Calculus & Ordinary Differential Equations 1+2	**CSSE3100** Reasoning About Programs
	Sem 2 July	**COMP3506** Algorithms & Data Structures	**COMP3702** Artificial Intelligence	**COMP2140** Web/Mobile Programming	**CSSE2310** Computer Systems Principles & Programming 1+2
Year 3	Sem 1 Feb	**COMP4702** Machine Learning	**COMP3400** Functional & Logic Programming	**COMP4403** Compilers & Interpreters	Level 3 or 4 Program Elective
	Sem 2 July	**DECO3801** Design Computing Studio 3: Build 1+2	**COMP3710** Pattern Recognition and Analysis	**STAT3006** Statistical Learning	Secondary Major Elective

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

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 Scientfiic 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.

Bachelor of Computer Science

Major in Machine Learning + Major in Programming Languages

Commencing Semester 2

The University Of Queensland
AUSTRALIA
CREATE CHANGE

1 The study plan below shows the required: **Core Courses** | **Primary Major Courses** | **Secondary Major Compulsory Courses**

	Sem 2 July	**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
Year 1	Sem 1 Feb	**COMP1100** Introduction to Software Innovation 1+2	**CSSE2002** Programming in the Large 1+2	**MATH1061*** Discrete Mathematics 1+2	**DECO1400** Introduction to Web Design
	Sem 2 July	**CSSE2010** Introduction to Computer Systems 1+2	**COMP3702** Artificial Intelligence	**MATH1052*** Multivariate Calculus & Ordinary Differential Equations 1+2	**COMP2140** Web/Mobile Programming
Year 2	Sem 1 Feb	**COMP2048** Theory of Computing	**CSSE2310** Computer Systems Principles & Programming 1+2	**COMP3400** Functional & Logic Programming	Level 3 or 4 Program Elective
	Sem 2 July	**COMP3506** Algorithms & Data Structures	**STAT3006** Statistical Learning	**COMP3710** Pattern Recognition and Analysis	Secondary Major Elective
Year 3	Sem 1 Feb	**DECO3801** Design Computing Studio 3: Build 1+2	**COMP4702** Machine Learning	**CSSE3100** Reasoning About Programs	**COMP4403** Compilers & Interpreters

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

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).

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