Bachelor of Computer Science

Major in Data Science + Major in Machine Learning

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 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 Scientfic 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 Data Science + Major in Machine Learning

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

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

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*MATH1072 Advanced Multivvariate 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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