Bachelor of Computer Science

The University Of Queensland
AUSTRALIA
CREATE CHANGE

Major in Data Science + Major in Programming Languages

Commencing Semester 1

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	**MATH1051*** Calculus and Linear Algebra I 1+2	**STAT1201*** Analysis of Scientific Data 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	**DECO1400** Introduction to Web Design	**CSSE2310** Computer Systems Principles & Programming 1+2
Sem 2 July	**COMP3506** Algorithms & Data Structures	**INFS2200** Relational Database Systems	**COMP2011** Fundamentals of Data Science	**COMP2140** Web/Mobile Programming
Year 3 Sem 1 Feb	**INFS3200** Advanced Database Systems	**COMP4403** Compilers and Interpreters	**CSSE3100** Reasoning About Programming	**COMP3400** Functional and Logic Programming
Sem 2 July	**DECO3801** Design Computing Studio 3: Build 1+2	**STAT2004** Statistical Modelling and Analysis	**DECO2500** Human-Computer Interaction 1+2	Level 3 or 4 Program Elective

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

2 Choose **2 units** to replace DECO3801 in the **Secondary Major**, at the same level or higher, from **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).

*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 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 Courses**

Year 1	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
	Sem 1 Feb	**COMP1100** Introduction to Software Innovation 1+2	**MATH1061*** Discrete Mathematics 1+2	**CSSE2010** Introduction to Computer Systems 1+2	**DECO1400** Introduction to Web Design
Year 2	Sem 2 July	**CSSE2002** Programming in the Large 1+2	**COMP2011** Fundamentals of Data Science	**COMP2140** Web/Mobile Programming	**CSSE2310** Computer Systems Principles & Programming 1+2
	Sem 1 Feb	**COMP2048** Theory of Computing	**STAT2003** Mathematical Probability	**CSSE3100** Reasoning About Programming	**COMP3400** Functional and Logic Programming
Year 3	Sem 2 July	**COMP3506** Algorithms & Data Structures	**STAT2004** Statistical Modelling and Analysis	**INFS2200** Relational Database Systems	**DECO2500** Human-Computer Interaction 1+2
	Sem 1 Feb	**DECO3801** Design Computing Studio 3: Build 1+2	**INFS3200** Advanced Database Systems	**COMP4403** Compilers and Interpreters	**Level** 3 or 4 **Program Elective**

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

2 Choose **2 units** to replace DECO3801 in the **Secondary Major**, at the same level or higher, from **BCompSc Program Elective Courses**: https://my.uq.edu.au/programs-courses/requirements/program/2451

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