Bachelor of Computer Science

Extended Major in Data Science

Commencing Semester 1

The University Of Queensland
AUSTRALIA
CREATE CHANGE

1 The study plan below shows the required: **Core Courses** **Extended Major Compulsory 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	**Extension Course**	**Elective** Breadth, Program or 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	**Extension Course**	**Elective** Breadth, Program or Elective	**Elective** Breadth, Program or Elective
	Sem 2 July	**DECO3801** Design Computing Studio 3: Build 1+2	**Extension Course**	**Extension Course**	**Elective** Breadth, Program or Elective

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

2 Complete exactly **8 units** of **Extended Major Extension Courses**, accounting for pre-requisites:

Sem 1	**COMP4702** **INFS4205**
Sem 2	**COMP3702** **COMP4703** **INFS3208** **INFS4203**

3 Complete **8 units** from any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

  From the BCompSc Program & Course Requirements (https://my.uq.edu.au/programs-courses/requirements/program/2451/2025)
- **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).

*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

Extended Major in Data Science

Commencing Semester 2

The University Of Queensland
AUSTRALIA
CREATE CHANGE

1 The study plan below shows the required: **Core Courses** | **Extended Major Compulsory 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	**CSSE2002** Programming in the Large 1+2	**CSSE2010** Introduction to Computer Systems 1+2
Year 2	Sem 2 July	**COMP3506** Algorithms & Data Structures	**COMP2011** Fundamentals of Data Science	**INFS2200** Relational Database Systems	**Elective** Breadth, Program or Elective
	Sem 1 Feb	**COMP2048** Theory of Computing	**STAT2003** Mathematical Probability	**Extension Course**	**Elective** Breadth, Program or Elective
Year 3	Sem 2 July	**STAT2004** Statistical Modelling and Analysis	**Extension Course**	**Extension Course**	**Elective** Breadth, Program or Elective
	Sem 1 Feb	**DECO3801** Design Computing Studio 3: Build 1+2	**INFS3200** Advanced Database Systems	**Extension Course**	**Elective** Breadth, Program or Elective

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

2 Complete exactly **8 units** of **Extended Major Extension Courses**, accounting for pre-requisites:

Sem 1	**INFS4205** **COMP4702**
Sem 2	**COMP3702** **INFS3208** **COMP4703** **INFS4203**

3 Complete **8 units** from any of the following, accounting for prerequisites:

- **BCompSc Breadth Elective Courses**
- **BCompSc Program Elective Courses**

  From the BCompSc Program & Course Requirements (https://my.uq.edu.au/programs-courses/requirements/program/2451/2025)
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