## Bachelor of Computer Science



## **Major in Scientific Computing**

**Commencing Semester 1** 

The study plan below shows the required:

**Core Courses** 

**Major Courses** 

Semester 1 and 2.

Sem 1 Feb	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	STAT1201* Analysis of Scientific Data	MATH1051* Calculus and Linear Algebra I
Sem 2 July	COMP1100 Introduction to Software Innovatio	MATH1061* Discrete Mathematics	CSSE2010 Introduction to Computer Systems	CSSE2002 Programming in the Large
Sem 1 Feb	COMP2048 Theory of Computing	MATH1052* Multivariate Calculus & Ordinary Differential Equations	SCIE2100 Bioinformatics 1: Introduction	Elective Breadth, Program or General
Sem 2 July	COMP3506 Algorithms & Data Structures	COSC2500 Numerical Methods in Computational Science	Elective Breadth, Program or General	Elective Breadth, Program or General
Sem 1 Feb	COSC3000 Visualisation, Computer Graphics & Data Analysis	Elective Breadth, Program or General	Elective Breadth, Program or General	Elective Breadth, Program or General
Sem 2 July	DECO3801  Design Computing Studio 3: Build	COSC3500 High-Performance Computing	Elective Breadth, Program or General	Elective Breadth, Program or General

Choose **16 units** from any of the lists below, accounting for prerequisites:

- BCompSc Breadth Elective Courses
- BCompSc Program Elective Courses

From the BCompSc Program & Course Requirements https://mv.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



## **Major in Scientific Computing**

**Commencing Semester 2** 

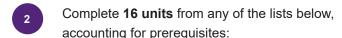
The study plan below shows the required:

**Core Courses** 

**Major Courses** 

Semester 1 and 2.

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 Innovatio	MATH1061* Discrete Mathematics	CSSE2010 Introduction to Computer Systems	CSSE2002 Programming in the Large
Sem 2 July	MATH1052* Multivariate Calculus & Ordinary Differential Equations	COSC2500 Numerical Methods in Computational Science	Elective Breadth, Program or General	Elective Breadth, Program or General
Sem 1 Feb	COMP2048 Theory of Computing	COSC3000 Visualisation, Computer	SCIE2100 Bioinformatics 1:	Elective Breadth, Program or General
	s	Graphics & Data Analysis	Introduction	
Sem 2 July	COMP3506 Algorithms & Data Structures	Graphics & Data Analysis  COSC3500  High-Performance  Computing	Introduction  Elective  Breadth, Program or General	Elective Breadth, Program or General
Sem 2	COMP3506 Algorithms & Data	COSC3500 High-Performance	Elective	Elective



- BCompSc Breadth Elective Courses
- BCompSc Program Elective Courses

From the BCompSc Program & Course Requirements (https://my.ug.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.

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