Bachelor of Computer Science

Major in Programming Languages + Major in Scientific Computing

Commencing Semester 1

THE UNIVERSITY OF QUEENSLAND AUSTRALIA
CREATE CHANGE

1 The study plan below shows the required:

Core Courses	Primary Major Compulsory 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 | DECO1400 Introduction to Web Design | MATH1052* Multivariate Calculus & Ordinary Differential Equations (1+2) | SCIE2100 Bioinformatics 1: Introduction |

Sem 2 July

| COMP3506 Algorithms & Data Structures | CSSE2310 Computer Systems Principles & Programming (1+2) | COMP2140 Web/Mobile Programming | COSC2500 Numerical Methods in Computational Science |

Year 3

Sem 1 Feb

| CSSE3100 Reasoning About Programming | COMP4403 Compilers & Interpreters | COMP3400 Functional and Logic Programming | COSC3000 Visualisation, Computer Graphics & Data Analysis |

Sem 2 July

| DECO3801 Design Computing Studio 3: Build (1+2) | COSC3500 High-Performance Computing | Primary Major Elective | Level 3 or 4 Program Elective |

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

2 Complete exactly **2 units** of **Primary Major Elective Courses** from the options below, accounting for prerequisites:

Sem 1	DECO2500
Sem 2	INFS2200 DECO2500

3 Choose **2 units** to replace DECO3801 in the **Secondary Major Courses**, 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).

*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.