Bachelor of Computer Science

Major in Cyber Security + 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 Compulsory 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)
- CSSE2002 Programming in the Large (1+2)
- CSSE2010 Introduction to Computer Systems (1+2)

Year 2

Sem 2 July
- COMP3506 Algorithms & Data Structures
- CSSE2310 Computer Systems Principles & Programming (1+2)
- COMP3702 Artificial Intelligence
- MATH1052* Multivariate Calculus & Ordinary Differential Equations (1+2)

Sem 1 Feb
- COMP2048 Theory of Computing
- COMP4702 Machine Learning
- Primary Major Elective
- Primary Major Elective

Year 3

Sem 2 July
- COMP3301 Operating Systems Architecture
- CYBR3000 Information Security
- COMP3710 Pattern Recognition and Analysis
- STAT3006 Statistical Learning

Sem 1 Feb
- COMP3320 Vulnerability Assessment & Penetration Testing
- COMS3200 Computer Networks I
- DECO3801 Design Computing Studio 3: Build (1+2)
- Level 3 or 4 Program Elective

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

2 Complete exactly **4 units** of **Primary Major Elective Courses** from the list below, accounting for prerequisites:

Sem 1	CRIM1000 DECO2500
Sem 2	CRIM1000 DECO2500 INFS2200

3 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).

*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.