

# Bachelor of Computer Science

## Major in Cyber Security + Major in Machine Learning

Commencing Semester 1

1 The study plan below shows the required:

Core Courses

Primary Major Compulsory Courses

Secondary Major Courses

Year	Semester	Core Courses	Primary Major Compulsory Courses	Secondary Major Courses
Year 1	Sem 1 Feb	<b>CSSE1001</b> Introduction to Software Engineering	<b>INFS1200</b> Introduction to Information Systems	<b>STAT1201*</b> Analysis of Scientific Data
	Sem 2 July	<b>COMP1100</b> Introduction to Software Innovation	<b>MATH1061*</b> Discrete Mathematics	<b>CSSE2002</b> Programming in the Large
Year 2	Sem 1 Feb	<b>COMP2048</b> Theory of Computing	<b>CSSE2310</b> Computer Systems Principles & Programming	<b>MATH1052*</b> Multivariate Calculus & Ordinary Differential Equations
	Sem 2 July	<b>COMP3506</b> Algorithms & Data Structures	<b>COMP3301</b> Operating Systems Architecture	<b>CYBR3000</b> Information Security
Year 3	Sem 1 Feb	<b>COMP3320</b> Vulnerability Assessment & Penetration Testing	<b>COMS3200</b> Computer Networks I	<b>COMP4702</b> Machine Learning
	Sem 2 July	<b>DECO3801</b> Design Computing Studio 3: Build	<b>COMP3710</b> Pattern Recognition and Analysis	<b>STAT3006</b> Statistical Learning

2 Complete exactly **4 units** of **Primary Major Elective Courses** from the options 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).

Course offered in both Semester 1 and 2.

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 fail any courses.

Email [studentenquiries@eeecs.uq.edu.au](mailto:studentenquiries@eeecs.uq.edu.au)

Study plan published 2025. Future course offerings are subject to change.