Bachelor of Computer Science

Major in Cyber Security + 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 Innovatio 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	**CSSE2310** Computer Systems Principles & Programming 1+2	**MATH1052*** Multivariate Calculus & Ordinary Differential Equations 1+2	**SCIE2100** Bioinformatics 1: Introduction
	Sem 2 July	**COMP3506** Algorithms & Data Structures	**COMP3301** Operating Systems Architecture	**CYBR3000** Information Security	**COSC2500** Numerical Methods in Computational Science
Year 3	Sem 1 Feb	**COMP3320** Vulnerability Assessment & Penetration Testing	**COMS3200** Computer Networks I	**COSC3000** Visualisation, Computer Graphics & Data Analysis	**Primary Major Elective**
	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 **4 units** of **Primary Major Elective Courses** from the options below, accounting for prerequisites:

Sem 1	**CRIM1000** **DECO2500**
Sem 2	**CRIM1000** **DECO2500** **INFS2200**

3 Complete exactly **2 units** to replace DECO3801 in the **Secondary Major**, at the same level or higher, from the **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 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 Cyber Security + Major in Scientific Computing

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**

	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
Year 1	Sem 1 Feb	**COMP1100** Introduction to Software Innovatio 1+2	**MATH1061*** Discrete Mathematics 1+2	**CSSE2002** Programming in the Large 1+2	**CSSE2010** Introduction to Computer Systems 1+2
	Sem 2 July	**CSSE2310** **Computer** Systems Principles & Programming 1+2	**MATH1052*** **Multivariate** Calculus & Ordinary Differential Equations 1+2	**COSC2500** Numerical Methods in Computational Science	**Primary Major Elective**
Year 2	Sem 1 Feb	**COMP2048** Theory of Computing	**COSC3000** **Visualisation,** Computer Graphics & Data Analysis	**SCIE2100** **Bioinformatics** 1: Introduction	**Primary Major Elective**
	Sem 2 July	**COMP3506** Algorithms & Data Structures	**COMP3301** **Operating** Systems Architecture	**CYBR3000** **Information** Security	**COSC3500** **High-Performance** Computing
Year 3	Sem 1 Feb	**DECO3801** Design Computing Studio 3: Build 1+2	**COMP3320** Vulnerability Assessment & Penetration Testing	**COMS3200** **Computer** Networks I	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 options below, accounting for prerequisites:

Sem 1	**CRIM1000** **DECO2500**
Sem 2	**CRIM1000** **DECO2500** **INFS2200**

3 Complete exactly **2 units** to replace DECO3801 in the **Secondary Major**, at the same level or higher, from the **BCompSc Program Elective Courses**: https://my.uq.edu.au/programs-courses/requirements/program/2451

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