

Bachelor of Computer Science Study Plan (Semester 1, 2020 Start)

Majoring in Scientific Computing

- Core courses are in blue, courses for the major are in green, elective slots are in orange.
- Courses marked with ^ are offered in both Semester 1 and Semester 2
- Choose at least one from INFS2200 and DECO2500

YEAR 1 (2020)				
Sem 1	CSSE1001 Introduction to Software Engineering ^	MATH1061 Discrete Mathematics^	INFS1200 Introduction to Information Systems ^	MATH1050 Mathematical Foundations ^ (if no Maths C) OR MATH1051 Calculus & Linear Algebra I ^ OR MATH1071 Advanced Calculus & Linear Algebra I
Sem 2	CSSE2002 Programming in the Large ^	CSSE2010 Introduction to Computer Systems ^	INFS2200 Relational Database Systems OR #2 Part B, C or D elective	#2 Part B, C or D elective or MATH1051 (if MATH1050 taken in semester one)
YEAR 2 (2021)				
Sem 1	COMP2048 Theory of Computing	CSSE2310 Computer Systems Principles and Programming ^	DECO2500 Human-Computer Interaction OR #2 Part B, C or D elective	SCIE2100 Introduction to Bioinformatics
Sem 2	STAT2203 Probability Models and Data Analysis for Engineering	COMP3506 Algorithms & Data Structures	COSC2500 Numerical Methods in Computational Science	#2 Part B, C or D elective
YEAR 3 (2022)				
Sem 1	COSC3000 Visualization, Computer Graphics & Data Analysis	MATH3201 Scientific Computing: Advanced Techniques and Applications	#2 Part B, C or D elective	#2 Part B, C or D elective
Sem 2	COMP4500 Advanced Algorithms & Data Structures	DECO3801 Design Computing Studio 3 - Build	COSC3500 High-Performance Computing	#2 Part B, C or D elective

Students must follow the program rules and requirements outlined at https://my.uq.edu.au/programs-courses/program.html?acad_prog=2425. Seek academic advice if you are undertaking a dual degree, have any questions or if you fail any courses. Future course offerings are subject to change.