

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

### Majoring in Data Science

- 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

YEAR 1 (2020)				
Sem 1	<b>CSSE1001</b> Introduction to Software Engineering ^	<b>MATH1061</b> Discrete Mathematics^	<b>INFS1200</b> Introduction to Information Systems ^	<b>MATH1050</b> Mathematical Foundations ^ (if no Maths C) OR <b>MATH1051</b> Calculus & Linear Algebra I ^ OR <b>MATH1071</b> Advanced Calculus & Linear Algebra I
Sem 2	<b>CSSE2002</b> Programming in the Large ^	<b>CSSE2010</b> Introduction to Computer Systems ^	<b>INFS2200</b> Relational Database Systems	<b>#2 Part B, C or D elective</b> or <b>MATH1051</b> (if MATH1050 taken in semester one)
YEAR 2 (2021)				
Sem 1	<b>COMP2048</b> Theory of Computing	<b>CSSE2310</b> Computer Systems Principles and Programming ^	<b>INFS3200</b> Advanced Database Systems ^	<b>#2 Part B, C or D elective</b>
Sem 2	<b>STAT2203</b> Probability Models and Data Analysis for Engineering	<b>COMP3506</b> Algorithms & Data Structures	<b>COMP3702</b> Artificial Intelligence	<b>#2 Part B, C or D elective</b>
YEAR 3 (2022)				
Sem 1	<b>COMP4702</b> Machine Learning	<b>INFS4205</b> Advanced Techniques for High Dimensional Data	<b>#2 Part B, C or D elective</b>	<b>#2 Part B, C or D elective</b>
Sem 2	<b>COMP4500</b> Advanced Algorithms & Data Structures	<b>DECO3801</b> Design Computing Studio 3 - Build	<b>INFS4203</b> Data Mining	<b>#2 Part B, C or D elective</b>

Students must follow the program rules and requirements outlined at [https://my.uq.edu.au/programs-courses/program.html?acad\\_prog=2425](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.