Bachelor of Computer Science
Suggested Study Plan for Semester 2 Start (BCompSc)

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

Major in Data Science + Major in Machine Learning

Valid from 2021

1 The table below shows the required: | Compulsory Courses | Primary Major Courses | Secondary Major Courses |

		Compulsory Courses	Primary Major Courses	Primary Major Courses	Secondary Major Courses
Y1	**S2**	**CSSE1001** Introduction to Software Engineering ^1+2	**INFS1200** Introduction to Information Systems ^1+2	**MATH1061** Discrete Mathematics ^1+2	**STAT1201** Analysis of Scientific Data Or **STAT1301** ^1+2
	S1	**CSSE2002** Programming in the Large ^1+2	**CSSE2010** Introduction to Computer Systems ^1+2	**MATH1051** Calculus & Linear Algebra Or **MATH1071** ^1+2	**MATH1052** Multivariate Calculus & Ordinary Differential Equations ^1+2
Y2	**S2**	**COMP3506** Algorithms & Data Structures	**DATA2001** Introduction to Data Science	**INFS2200** Relational Database Systems	**MATH2302** Discrete Mathematics II
	S1	**COMP2048** Theory of Computing	**STAT2003** Mathematical Probability		
Y3	**S2**	**DECO3801** Design Computing Studio 3: Build	**STAT2004** Statistical Modelling & Analysis	**COMP3710** Pattern Recognition and Analysis	**COMP3702** Artificial Intelligence
	S1	**COMP4702** Machine Learning	**INFS3200** Advanced Database Systems ^1+2		

> **Note:** Due to prerequisites & availability of slots in a full-time semester load, it is not possible to fit STAT3006 into Year 3, Semester 2 without overloading. Therefore, this suggested study plan will require a minimum length of 3.5 years to complete. Please contact an academic advisor for alternative approaches.
>
> **STAT3006** Statistical Learning

2 Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	–	–	–
S2	–	–	–

3 Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

4 Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **MATH1051** (Level 1), **COMP4702** (Level 4) and **DECO3801** (Level 3) — from the <u>BCompSc program rules & requirements</u>.

^1+2 Course offered in both Semester 1 & 2.

Study plan last modified: Friday, 15 July 2022