

Bachelor of Computer Science

Suggested Study Plan for Semester 1 Start (BCompSc)

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**

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

S1	—	—	—
S2	—	—	—

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 **BCompSc** program rules & requirements.



Course offered in both Semester 1 & 2.