

# Bachelor of Computer Science

## Suggested Study Plan for Semester 1 Start (BCompSc)

Major in Data Science + Major in Scientific Computing

Valid from 2021

**1** The table below shows the required:

		Compulsory Courses	Primary Major Courses	Secondary Major Courses
Y1	S1	<b>CSSE1001</b> Introduction to Software Engineering	<b>INFS1200</b> Introduction to Information Systems	<b>MATH1061</b> Discrete Mathematics
	S2	<b>CSSE2002</b> Programming in the Large	<b>CSSE2010</b> Introduction to Computer Systems	<b>MATH1051</b> Calculus & Linear Algebra Or <b>MATH1071</b>
Y2	S1	<b>COMP2048</b> Theory of Computing	<b>STAT2003</b> Mathematical Probability	<b>MATH1052</b> Multivariate Calculus & Ordinary Differential Equations
	S2	<b>COMP3506</b> Algorithms & Data Structures	<b>INFS2200</b> Relational Database Systems	<b>SCIE2100</b> Bioinformatics 1: Introduction
Y3	S1	<b>COMP4702</b> Machine Learning	<b>INFS3200</b> Advanced Database Systems	<b>COSC3000</b> Visualization, Computer Graphics & Data Analysis
	S2	<b>DECO3801</b> Design Computing Studio 3: Build	<b>STAT2004</b> Statistical Modelling & Analysis	<b>COSC3500</b> High-Performance Computing

**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), **INFS2200** (Level 2) and **DECO3801** (Level 3) — from the **BCompSc** program rules & requirements.



Course offered in both Semester 1 & 2.