

# Bachelor of Computer Science

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

Major in Machine Learning + Major in Programming Languages

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>CSSE2310</b> Computer Systems Principles & Programming	<b>DECO1400</b> Introduction to Web Design
	S2	<b>COMP3506</b> Algorithms & Data Structures	<b>COMP3702</b> Artificial Intelligence	<b>MATH2302</b> Discrete Mathematics II
Y3	S1	<b>COMP4702</b> Machine Learning	<b>COMP3400</b> Functional & Logic Programming	<b>COMP2140</b> Web & Mobile Programming
	S2	<b>COMP3710</b> Pattern Recognition and Analysis	<b>COMP4403</b> Compilers and Interpreters	<b>CSSE3100</b> Reasoning About Programs
	S2		<b>DECO3801</b> Design Computing Studio 3: Build	<b>STAT3006</b> Statistical Learning

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

S1	—	—	—
S2	—	—	—

**3** Choose **1** remaining **Secondary Major Course** for a free slot, accounting for prerequisites:

S1	<b>DECO2500</b>	
S2	<b>DECO2500</b>	<b>INFS2200</b>

**4** Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.