

Bachelor of Computer Science

Suggested Study Plan for Semester 1 Start (BCompSc)

Major in Machine Learning + Major in Scientific Computing

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
	S2	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	STAT1201 Analysis of Scientific Data Or STAT1301
Y2	S1	COMP2048 Theory of Computing	MATH1052 Multivariate Calculus & Ordinary Differential Equations	SCIE2100 Bioinformatics 1: Introduction
	S2	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	COSC2500 Numerical Methods in Computational Science
Y3	S1	COMP4702 Machine Learning	COSC3000 Visualization, Computer Graphics & Data Analysis	
	S2	COMP3710 Pattern Recognition and Analysis	DECO3801 Design Computing Studio 3: Build	STAT3006 Statistical Learning
				INFS2200 Relational Database Systems
				MATH1051 Calculus & Linear Algebra Or MATH1071
				MATH2302 Discrete Mathematics II
				COSC3500 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), **MATH1052** (Level 1) and **DECO3801** (Level 3) — from the **BCompSc** program rules & requirements.



Course offered in both Semester 1 & 2.