Bachelor of Computer Science
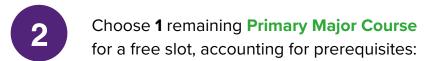## Suggested Study Plan for Semester 1 Start (BCompSc)

Major in Programming Languages + 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 *(1+2)*	**INFS1200** Introduction to Information Systems *(1+2)*	**MATH1061** Discrete Mathematics *(1+2)*	**MATH1051** Calculus & Linear Algebra Or **MATH1071** *(1+2)*
	S2	**CSSE2002** Programming in the Large *(1+2)*	**CSSE2010** Introduction to Computer Systems *(1+2)*	**STAT1201** Analysis of Scientific Data Or **STAT1301** *(1+2)*	**MATH1052** Multivariate Calculus & Ordinary Differential Equations Or **MATH1072** *(1+2)*
Y2	**S1**	**COMP2048** Theory of Computing	**CSSE2310** Computer Systems Principles & Programming *(1+2)*	**DECO1400** Introduction to Web Design	**SCIE2100** Bioinformatics 1: Introduction
	S2	**COMP3506** Algorithms & Data Structures	**COMP2140** Web & Mobile Programming	**COSC2500** Numerical Methods in Computational Science	**INFS2200** Relational Database Systems
Y3	**S1**	**COMP3400** Functional & Logic Programming	**COMP4403** Compilers and Interpreters	**CSSE3100** Reasoning About Programs	**COSC3000** Visualization, Computer Graphics & Data Analysis
	S2	**DECO3801** Design Computing Studio 3: Build	**COSC3500** High-Performance Computing		

2 Choose **1** remaining **Primary Major Course** for a free slot, accounting for prerequisites:

S1	**DECO2500**	
S2	**DECO2500**	**INFS2200**

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 **DECO3801** (Level 3) — from the <u>BCompSc program rules & requirements</u>.

(1+2) Course offered in both Semester 1 & 2.