

# Bachelor of Computer Science

## Suggested Study Plan for Semester 2 Start (BCompSc)

### Major in Cyber Security + Major in Machine Learning

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	<b>CSSE1001</b> Introduction to Software Engineering	<b>INFS1200</b> Introduction to Information Systems	<b>MATH1061</b> Discrete Mathematics	<b>STAT1201</b> Analysis of Scientific Data Or <b>STAT1301</b>
	S1	<b>CSSE2002</b> Programming in the Large	<b>CSSE2010</b> Introduction to Computer Systems	<b>MATH1051</b> Calculus & Linear Algebra Or <b>MATH1071</b>	<b>MATH1052</b> Multivariate Calculus & Ordinary Differential Equations
Y2	S2	<b>COMP3506</b> Algorithms & Data Structures	<b>CSSE2310</b> Computer Systems Principles & Programming	<b>COMP3702</b> Artificial Intelligence	<b>MATH2302</b> Discrete Mathematics II
	S1	<b>COMP2048</b> Theory of Computing	<b>COMP4702</b> Machine Learning		
Y3	S2	<b>COMP3301</b> Operating Systems Architecture	<b>CYBR3000</b> Information Security	<b>DECO3801</b> Design Computing Studio 3: Build	<b>COMP3710</b> Pattern Recognition and Analysis
	S1	<b>COMP3320</b> Vulnerability Assessment and Penetration Testing	<b>COMS3200</b> Computer Networks I		

**Note:** Due to prerequisites & availability of slots in a full-time semester load, it is not possible to fit STAT3006 into Year 3, Semester 2 without overloading. Therefore, this suggested study plan will require a minimum length of 3.5 years to complete. Please contact an academic advisor for alternative approaches.

**STAT3006**

Statistical Learning

2

Choose **2** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	<b>CRIM1000</b>	<b>DECO2500</b>	
S2	<b>CRIM1000</b>	<b>DECO2500</b>	<b>INFS2200</b>

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

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](#).

1+2

Course offered in both Semester 1 & 2.