# Bachelor of Computer Science
## Suggested Study Plan for Semester 2 Start (BCompSc)

**THE UNIVERSITY OF QUEENSLAND**
AUSTRALIA

### Extended Major in Data Science

**1** The table below shows the required: **Compulsory Courses** **Major Courses**

| | | | | | |
|---|---|---|---|---|---|
| **Y1** | **S2** | **CSSE1001** Introduction to Software Engineering ⁱ⁺² | **INFS1200** Introduction to Information Systems ⁱ⁺² | **MATH1061** Discrete Mathematics ⁱ⁺² | **STAT1201** Analysis of Scientific Data Or **STAT1301** ⁱ⁺² |
| | **S1** | **CSSE2002** Programming in the Large ⁱ⁺² | **CSSE2010** Introduction to Computer Systems ⁱ⁺² | **MATH1051** Calculus & Linear Algebra Or **MATH1071** ⁱ⁺² | |
| **Y2** | **S2** | **COMP3506** Algorithms & Data Structures | **DATA2001** Introduction to Data Science | **INFS2200** Relational Database Systems | **INFS3208** Cloud Computing |
| | **S1** | **COMP2048** Theory of Computing | **STAT2003** Mathematical Probability | | |
| **Y3** | **S2** | **COMP3702** Artificial Intelligence | **DECO3801** Design Computing Studio 3: Build | **INFS4203** Data Mining | **STAT2004** Statistical Modelling & Analysis |
| | **S1** | **COMP4702** Machine Learning | **INFS3200** Advanced Database Systems ⁱ⁺² | **INFS4205** Advanced Techniques for High Dimensional Data | |

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

| | | | |
|---|---|---|---|
| **S1** | – | – | – |
| **S2** | – | – | – |

**3** Fill the remaining free slots with **Program Electives** or **General Electives** from the BCompSc program rules & requirements.

◢ⁱ⁺² Course offered in both Semester 1 & 2.