



# Bachelor of Science

MAJOR **Mathematics**

SECOND MAJOR **Physics**

This study plan should be used as a general guide for your course. We recommend you consult with your [CSE Course/Major Advisor](#) and particularly if your intended enrolment varies from this plan.

The information in the study plan is current at the time of creation and may be subject to future change. If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

Useful study planning/enrolment resources:

To search for information on subjects: [Subject Search](#)

To register for your classes: [Class Registration](#)

For important dates check: [Academic Calendars](#)

Further enrolment resources: [Enrolment Resources](#)

|               | STUDY PERIOD 1   | STUDY PERIOD 2  |
|---------------|--|---|
| <b>Year 1</b> | Course<br><b>SC1101:03</b> Science, Technology and Truth | Course<br><b>SC1102:03</b> Modelling Natural Systems<br><i>PREREQ: (Maths B or equivalent or MA1020 or MA0020 and</i> |
|               |  | <i>PH1005) or (Physics and Maths C)</i>   |

\*Note: You are very strongly recommended to take MA2211 in this place and take an elective later on.

^Note: SC1109 is compulsory in the Adv BSc Program and should be taken instead of SC1102 if you are considering that pathway.



|        | STUDY PERIOD 1   | STUDY PERIOD 2   |
|--------|--|--|
| Year 2 | Major<br><b>MA2211:03 Discrete Mathematics</b><br><i>PREREQ: Maths B or MA1020 or MA0020</i> | Course<br>Select 3 credit points of subjects from <b>List 2 (Skill Subjects)</b> |
|        | Major<br><b>MA2000:03 Mathematics for Scientists and Engineers</b><br><i>PREREQ: MA1003</i>  | Major<br><b>MA2210:03 Linear Algebra</b><br><i>PREREQ: MA1003</i>                |
|        | Second Major<br><b>PH2019:03 Introduction to Electromagnetism Optics and Early Quantum</b>   |  |



| SKILL SUBJECTS - LIST 2   |  |
|---|--|
| STUDY PERIOD 1  | STUDY PERIOD 2   |
| MA2000:03 Mathematics for Scientists and Engineers<br><i>PREREQ: MA1003</i>                         | CH2103:03 Analytical Chemistry<br><i>PREREQ: CH1001 or CH1011</i>  |
| MA2830:03 Data Visualisation  | EV2502:03 Introduction to Geographic Information Systems<br><i>PREREQ: At least 12 credit points of level 1 subjects</i> |
| SC3010:03 Sensors and Sensing for Scientists<br><i>PREREQ: BZ2001 or SC2202 or SC2209 or SC2201</i> | MA2210:03 Linear Algebra<br><i>PREREQ: MA1003</i>  |
| <b>TRIMESTER 3</b>  |  |
| CP2404:03 Database Modelling  |  |

#### ADDITIONAL INFORMATION

A maximum of 30 credit points may be taken at Level 1.

A minimum of 18 credit points of science subjects must be taken at Level 3 or higher.

#### COURSE HANDBOOK

[Bachelor of Science Handbook](#)

[Mathematics Major](#)

[Physics Major](#)