# Bachelor of Science (Mathematics)

Useful study planning/enrolment resources:

Subject Search
Academic Calendars
Class Registration
Enrolment Resources

The information in the study planner is current at the time of creation 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.

<table>
<tr><td rowspan="4"><strong>2022</strong></td><td rowspan="4"></td><td colspan="2"><strong>TEACHING PERIOD 2</strong></td></tr>
<tr><td>Study Period 2</td><td>CH1020:03 Preparatory Chemistry<br><strong>OR</strong><br>Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Chemistry or equivalent)</td></tr>
<tr><td>Study Period 2</td><td>MA1020:03 Preparatory Mathematics<br><strong>OR</strong><br>Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Maths Methods or equivalent)</td></tr>
<tr><td>Study Period 2</td><td>Elective <strong>OR</strong> Second Major Subject<br>(Depending on chosen structure)</td></tr>
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</table>

| | | TEACHING PERIOD 1 | | TEACHING PERIOD 2 |
|---|---|---|---|---|
| **2023** | Study Period 1 | SC1101:03 Science, Technology and Truth | Study Period 2 | SC1102:03 Modelling Natural Systems<br>*PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent*<br>**OR**<br>SC1109:03 Modelling Natural Systems - Advanced<br>*PREREQ: MA1000 or MA1009* |
| | Study Period 1 | **Major**<br>MA1000:03 Mathematical Foundations<br>*PREREQ: MA1020 or Maths B or Maths C* | Study Period 2 | **Major**<br>MA1003:03 Mathematical Techniques<br>*PREREQ: MA1000 or MA1011 or MA1009* |
| | Study Period 1 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) | Study Period 2 | Select 3 credit points of subjects from **List 2** |
| | Study Period 1 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) | Study Period 2 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) |

| | | TEACHING PERIOD 1 | | TEACHING PERIOD 2 |
|---|---|---|---|---|
| **2024** | Study Period 1 | SC2202:03 Quantitative Methods in Science<br>*PREREQ: SC1102 or MA1020 or MA1000 or Mathematics B or equivalent*<br>**OR**<br>SC2209:03 Quantitative Methods in Science - Advanced<br>*PREREQ: SC1109 and MA1003 plus 6 credit points of any level 1 subjects* | Study Period 2 | **Major**<br>MA2210:03 Linear Algebra<br>*PREREQ: MA1003* |
| | Study Period 1 | **Major**<br>MA2000:03 Mathematics for Scientists and Engineers<br>*PREREQ: MA1003* | Study Period 2 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) |
| | Study Period 1 | **Major**<br>MA2211:03 Discrete Mathematics<br>*PREREQ: Mathematics B or MA1020 or MA0020* | | |
| | Study Period 1 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) | | |

| | | TEACHING PERIOD 1 | | TEACHING PERIOD 2 |
|---|---|---|---|---|
| **2025** | Study Period 1 | SC3008:03 Professional Placement<br>*PREREQ: 12 credit points of second year subjects and be enrolled in their final year of study within the College of Science and Engineering*<br>**OR**<br>SC5008:03 Professional Placement<br>**OR**<br>SC3901:03 Special Topic 1 | Study Period 2 | **Major**<br>MA3210:03 Probability and Stochastic Processes<br>*PREREQ: MA2000 and (MA2210 or MA2201)* |
| | Study Period 1 | **Major**<br>MA3211:03 Mathematical Modelling and Differential Equations<br>*PREREQ: MA2000 and )MA2210 or MA2201)* | Study Period 2 | **Major**<br>MA3212:03 Optimisation and Operations Research<br>*PREREQ: MA2000 and (MA2210 or MA2201)* |
| | Study Period 1 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) | | |
| | Study Period 1 | Elective **OR** Second Major Subject<br>(Depending on chosen structure) | | |

## ADDITIONAL INFORMATION

Prior approval required from subject coordinator to enrol in either:

- SC5008:03 Professional Placement; or
- SC3901:03 Special Topic 1

## COURSE HANDBOOK

2022 Bachelor of Science