



## Bachelor of Science MAJOR Aquaculture Science & Technology

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: MA1020 or MA0020 or Senior Mathematics or equivalent</i><br>or<br><b>SC1109:03</b> Modelling Natural Systems-Advanced ^<br><i>PREREQ: MA1000 or MA1009</i> |
|               | Course<br>Select a BREADTH SUBJECT from <b>List 1</b>  | Course<br>Select a BREADTH SUBJECT from <b>List 1</b>   |
|               | Course<br><b>MA1020:03</b> Preparatory Mathematics<br>or<br><b>Elective</b> (only if already satisfied via previous study) | Course<br><b>CH1020:03</b> Preparatory Chemistry<br>or<br><b>Elective</b> (only if already satisfied via previous study)  |
|               | Major<br><b>BS1007:03</b> Introduction to Biodiversity   | Major<br><b>BS1001:03</b> Introduction to Biological Processes  |

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

| Year 2   | STUDY PERIOD 1  | STUDY PERIOD 2  |
|--|---|---|
|  | Course<br><b>SC2202:03</b> Quantitative Methods in Science<br><i>PREREQ: SC1102 or SC1109</i><br>or<br><b>SC2209:03</b> Quantitative Methods in Science-Advanced<br><i>PREREQ: MA1003 and SC1109 plus 6 credit points of level 1 subjects</i> | Course<br>Select a SKILL SUBJECT from <b>List 2</b><br><br><i>Subjects are available across a number of study periods/trimesters, see List 2 for full availabilities.</i> |
|  | Major<br><b>AQ2001:03</b> Introduction to Aquaculture<br><i>PREREQ: At least 12 credit points of Level 1 science BS, BZ, CH, EA, EV, MA, MB, PH or SC subjects</i>  | <b>Elective</b>   |
|  | Major<br><b>BS2470:03</b> Evolution<br><i>PREREQ: BZ1001 OR BS1001 OR BZ1005</i>  | <b>Elective</b>   |
| Major<br><b>MI2031:03</b> Diagnosis of Bacterial Diseases in Aquaculture | <b>Elective</b>   |   |

| Year 3   | STUDY PERIOD 1   | STUDY PERIOD 2                     |                                     |
|--|--|------------------------------------|-------------------------------------|
|  | Course<br><b>SC3008:03</b> Professional Placement<br>Select Availability in Study Period 1, 2, 3, 7 or 11<br><i>PREREQ: Students must have successfully completed 12 credit points of second year subjects.<br/>           Enrolment is restricted to students with an approved placement</i>  |                                    |                                     |
|  | Major<br><b>AQ3002:03</b> Aquaculture: Feeds and Nutrition<br><i>PREREQ: At least 12 credit points of Level 2 AQ, BC, BZ, BS, CH, EA, EV, MA, MB or PH science subjects and 3 credit points of level 2 aquaculture subjects.</i>   | <b>Elective</b>                    |                                     |
|  | <b>Elective</b>  | <b>Elective</b>                    |                                     |
|  | <b>Elective</b>  |                                    |                                     |
|  | <b>STUDY PERIOD 3</b><br>(Jan-Feb)   | <b>STUDY PERIOD 7</b><br>(Jun-Jul) | <b>STUDY PERIOD 10</b><br>(Nov-Jan) |
| Major<br><b>AQ3015:03</b> Sustainable Aquaculture<br><i>PREREQ: 12 credit points of level 2 subjects</i> | Major<br><b>AQ3003:03</b> Aquaculture: Propagation - SP7<br><i>PREREQ: AQ2001 and at least 12 credit points of Level 2 science AQ, BC, BS, BZ, CH, EA, EV, MA, MB, PH, or SC subjects.</i><br>or<br><b>AQ3004:03</b> Aquaculture: Stock Improvement - SP10<br><i>PREREQ: At least 12 credit points of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB or PH science subjects and 3 credit points of level 2 aquaculture subjects.</i> |                                    |                                     |

| BREADTH SUBJECTS - LIST 1   |  |  |
|---|--|--|
| STUDY PERIOD 1  |  | STUDY PERIOD 2   |
| BM1000:03 Introductory Biochemistry and Microbiology  |  | <del>BS1001:03 Introduction to Biological Processes</del>                                  |
| <del>BS1007:03 Introduction to Biodiversity</del>   |  | CH1002:03 Chemistry: Principles and Applications<br><i>PREREQ: CH1001</i>                  |
| CH1001:03 Chemistry: A Central Science  |  | EA1110:03 Evolution of the Earth   |
| EG1000:03 Engineering 1   |  | MA1003:03 Mathematical Techniques<br><i>PREREQ: MA1000</i>                                 |
| EV1005:03 Environmental Processes and Global Change   |  | MA1580:03 Foundations of Data Science  |
| MA1000:03 Mathematical Foundation   |  | PH1007:03 Advanced Stream Physics 2<br><i>PREREQ: PH1005 OR (High School Physics and M</i> |
| PH1005:03 Advanced Stream Physics 1   |  |  |
| TRIMESTER 1   | TRIMESTER 2  | TRIMESTER 3  |
| CP1401:03 Problem Solving and Programming I<br>CP1401:03 Problem Solving and Programming I- <i>*EXTERNAL OFFERING</i> | CP1401:03 Problem Solving and Programming I- <i>*EXTERNAL OFFERING</i> | CP1404:03 Programming II<br>CP1404:03 Programming II- <i>*EXTERNAL OFFERING</i>            |
|   | CP1404:03 Programming II- <i>*EXTERNAL OFFERING</i>                    |  |

| 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 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: SC2202 OR (SC2209 OR SC2201 OR BZ2001)</i> |  | MA2210:03 Linear Algebra<br><i>PREREQ: MA1003</i>  |
|   |  | TRIMESTER 3  |
|   |  | CP2404:03 Database Modelling<br>CP2404:03 Database Modelling-<br><i>*EXTERNAL OFFERING</i>                               |

### COURSE NOTES

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.

### ADDITIONAL INFORMATION

[2023 Bachelor of Science course handbook](#)  
[Aquaculture Science and Technology major Handbook](#)