

# Bachelor of Advanced Science

MAJOR **Marine Biology**

MAJOR **Choose a second major\***

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](#)

*\*NOTE - This second major study plan should NOT be used to map either Aquaculture Science and Technology or Zoology & Ecology. Both of these two majors will have specific second major study plans that should be used instead.*

	STUDY PERIOD 1	STUDY PERIOD 2
<b>Year 1</b>	Course <b>SC1101:03</b> Science Technology and Truth	Course <b>SC1109:03</b> Modelling Natural Systems-Advanced ^ <i>PREREQ: MA1000 or MA1009</i>
	Course <b>MA1000:03</b> Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or Maths B or Maths C</i>	Course <b>MA1003:03</b> Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>
	Major <b>BS1007:03</b> Introduction to Biodiversity	Major <b>BS1001:03</b> Introduction to Biological Processes
	Second Major	Second Major

		STUDY PERIOD 1	STUDY PERIOD 2
Year 2	Course	<b>SC2209:03</b> Quantitative Methods in Science-Advanced <i>PREREQ: MA1003 and SC1109 plus 6 credit points of Level 1 subjects</i>	Course <b>CH1020:03</b> Preparatory Chemistry or <b>Elective</b> (only if already satisfied via previous study)
	Major	<b>BS2470:03</b> Evolution <i>PREREQ: BZ1001 or BS1001 or BZ1005</i>	Major <b>BS2460:03</b> Fundamentals of Ecology <i>PREREQ: 6 credit points of Level 1 or 2 BZ/BS or EV subjects</i>
	Major	<b>MB2050:03</b> Functional Biology or Marine Organisms <i>PREREQ: ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006</i>	Second Major
	Second Major		Second Major

		STUDY PERIOD 1	STUDY PERIOD 2
Year 3	Course	Course Select Availability in Study Period 1, 2, 3, 7 or 11 <b>SC3003:03</b> Science Research Internship <i>PREREQ: 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC level 2 subjects</i> OR <b>SC3008:03</b> Professional Placement <i>PREREQ: Students must have successfully completed 12 credit points of second year subjects. Enrolment is restricted to students with an approved placement</i>	
	Course	Course Select an ADVANCED SKILL subject- <b>List 1</b>	
	Major	<b>MB3050:03</b> Biological Oceanography <i>PREREQ: (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001)</i>	Second Major <b>MB3190:03</b> Coral Reef Ecology <i>PREREQ: Credit or better in MB2060 or BS2460</i> OR <b>MB3270:03</b> Wetland and Estuarine Ecosystems <i>PREREQ: BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)</i>
	Major	<b>MB3210:03</b> Life History and Evolution of Reef Corals <i>PREREQ: SC2202 or SC2209 or BS2001 or BZ2001 or AG2001) and at least a result of CREDIT in MB2060 or BS2460</i> OR <b>MB3160:03</b> Evolution and Ecology of Reef Fishes <i>PREREQ: MB2050 and (MB2060 or BS2460) and a minimum mark of CREDIT in BS2470 or MB2070</i>	Second Major
Second Major		Second Major	

## ADVANCED SKILL SUBJECTS - LIST 1

STUDY PERIOD 1	STUDY PERIOD 2
BS5260:03 Modelling Ecological Dynamics	BC5203:03 Advanced Bioinformatics
MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>	CH5002:03 Research Skills and Communication in Chemistry (Advanced) <i>PREREQ: Satisfactory completion of 9 credit points of Level 2, 3 or 5 CH subjects</i>
^EA5409:03 Mineralogy and Geophysics	SC5502:03 Design and Analyses in Ecological Studies
^PH5014:03 Research Skills and Communication in Physics (Advanced)	

^Note: EA5409 and PH5014 are not offered in 2023

### 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 Advanced Science Handbook](#)  
[Marine Biology Major](#)