

## RECOMMENDED STUDY PLAN

2022

DEGREE Bachelor of Advanced Science MAJOR Marine Biology (MBY)

NAME \_\_\_\_\_

To assist you with subject information, we recommend you consult with your [CSE Course/Major Advisor](#) and refer to [Subject Search](#). If you would prefer a part-time study plan, please adjust the below planner, reviewing subject prerequisites to ensure you are on track for course completion.

	Study Period 1 - SP1	Study Period 2 - SP2
<b>Year 1</b>	<b>Degree Core:</b> <u>SC1101</u> Science Technology and Truth	<b>Degree Core:</b> <u>SC1109</u> Modelling Natural Systems-Advanced <b>PREREQ:</b> MA1000 OR MA1009
	<b>Degree Core:</b> <u>MA1000</u> Mathematical Foundations <b>PREREQ:</b> MA1020 OR MATHEMATICS B OR MATHS C	<b>Degree Core:</b> <u>MA1003</u> Mathematical Techniques <b>PREREQ:</b> MA1000 OR MA1011 OR MA1009
	<b>Major Core:</b> <u>BS1007</u> Introduction to Biodiversity	<b>Major Core:</b> <u>BS1001</u> Introduction to Biological Processes
	Students who have not completed High School Chemistry (or equivalent) must take <b>Degree Core:</b> <u>CH1020</u> Preparatory Chemistry# #This subject is equivalent to chemistry from high school. <b>OR</b> <b>Elective</b> - if student has completed high school level Chemistry or equivalent	<b>Elective:</b>

	Study Period 1 - SP1	Study Period 2 - SP2
<b>Year 2</b>	<u>SC2209</u> Quantitative Methods in Science-Advanced <b>PREREQ:</b> SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS	<b>Major Core:</b> <u>BS2460</u> Fundamentals of Ecology <b>PREREQ:</b> 6CP LEVEL 1 OR 2 BZ/BS OR EV SUBJECTS
	<b>Major Core:</b> <u>MB2050</u> Functional Biology of Marine Organisms <b>PREREQ:</b> BS1007	<b>Elective:</b> <i>Recommended – 2<sup>nd</sup> year subject from the BSc Skills list 2 (Table below)</i>
	<b>Major Core:</b> <u>BS2470</u> Evolution <b>PREREQ:</b> BS1001	<b>Elective:</b>
	<b>Elective:</b>	<b>Elective:</b>

		Study Period 1 - SP1	Study Period 2 - SP2
<b>Year 3</b>	<b>Degree Option Core:</b> SC3008 Professional Placement PREREQ: COMPLETED 12CP SECOND YEAR SUBJECTS <b>OR</b> SC3003 Science Research Internship PREREQ: 15CP OF AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH OR SC SCIENCE LEVEL 2 SUBJECTS <i>All available in multiple study periods</i>		
	<b>Degree Core List 1:</b> Advanced Skill Subjects		
	<b>Major Core:</b> <u>MB3050</u> Biological Oceanography PREREQ: BS1007 AND MB2050 AND SC2202/SC2209	<b>Major Option Core:</b> <u>MB3190</u> Coral Reef Ecology PREREQ: CREDIT OR BETTER IN BS2460 <b>OR</b> <u>MB3270</u> Coastal, Estuarine and Mangrove Ecosystems PREREQ: BS1007 AND (MB2050 OR BS2460) AND SC2202/SC2209	
	<b>Major Option Core:</b> <u>MB3210</u> Life History and Evolution of Reef Corals PREREQ: SC2202/SC2209 AND AT LEAST A RESULT OF CREDIT IN BS2460 <b>OR</b> <u>MB3160</u> Evolution and Ecology of Reef Fishes PREREQ: MB2050 AND BS2460 AND A MINIMUM RESULT OF CREDIT IN BS2470 OR MB2070	<b>Elective:</b>	
	<b>Elective:</b>	<b>Elective:</b>	

## Further Degree Options:

<b>Degree Core List 1: Advanced Skill Subjects</b>	
<b>Study Period 1 – SP1</b>	<b>Study Period 2 – SP2</b>
<u>BS5260</u> Modelling Ecological Dynamics	<u>BC5203</u> Advanced Bioinformatics
<u>MA2000</u> Mathematics for Scientists and Engineers	<u>SC5502</u> Design and Analyses in Ecological Studies
<u>EA5409</u> Mineralogy and Geophysics – Not currently offered	<u>CH5002</u> Research Skills and Communication in Chemistry (Adv)
	<u>PH5014</u> Research Skills and Communication in Physics (Advanced) – Not currently offered

<b>BSc Skill-List 2:</b>	
<b>Study Period 1 – SP1</b>	<b>Study Period 2 – SP2</b>
<u>MA2000</u> Mathematics for Scientists and Engineers PREREQ: MA1003	<u>CH2103</u> Analytical Chemistry – TSV only PREREQ: CH1001 OR CH1011
<u>MA2830</u> Data Visualisation	<u>EV2502</u> Introduction to Geographic Information Systems PREREQ: 12CP LEVEL 1 SUBJECTS
<u>SC3010</u> Sensors and Sensing for Scientists PREREQ: SC2202/SC2209	<u>MA2210</u> Linear Algebra PREREQ: MA1003
	<b>Trimester 3 (Sept-Dec)</b>
	<u>CP2404</u> Database Modelling

### ADDITIONAL COURSE RULES

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 COURSE REQUIREMENTS

Some majors require attendance in intensive or mixed mode attendance subjects on either the Townsville or Cairns campus. If students must attend intensive mode classes at a campus other than the one they are enrolled at, they are responsible for their own expenses.

The first year of study may be completed in Cairns. Students must then transfer to Townsville.

### COURSE PROGRESSION REQUISITES

Must successfully complete 18 credit points of Level 2 science subjects before attempting any Level 5 science subject

### ADDITIONAL INFORMATION

[Bachelor of Advanced Science course handbook](#)

[Marine Biology major handbook](#)