

# Bachelor of Science MAJOR Marine Biology

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>		<b>Course</b> CH1020:03 Preparatory Chemistry <b>OR</b> Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Chemistry or equivalent)
		<b>Course</b> MA1020:03 Preparatory Mathematics <b>OR</b> Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Maths Methods or equivalent)
		<b>Major</b> BS1001:03 Introduction to Biological Processes
		Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

	STUDY PERIOD 1	STUDY PERIOD 2
<b>Year 2</b>	<b>Course</b> SC1101:03 Science, Technology, and Truth	<b>Course</b> SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent</i> <b>OR</b> SC1109:03 Modelling Natural Systems - Advanced <i>PREREQ: MA1000 or MA1009</i>
	<b>Major</b> BS1007:03 Introduction to Biodiversity	<b>Course</b> Select 3 credit points of subjects from <b>List 2</b>
	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)	<b>Major</b> BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of level 1 or 2 BZ/BS or EV Subjects</i>
	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

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

	STUDY PERIOD 1	STUDY PERIOD 2
<b>Year 3</b>	<b>Course</b> SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or MA1020 or MA1000 or Mathematics B or equivalent</i> <b>OR</b> SC2209:03 Quantitative Methods in Science - Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of any level 1 subjects</i>	<b>Major</b> MB3190:03 Coral Reef Ecology <i>PREREQ: Credit or better in MB2060 OR BS2460</i> <b>OR</b> MB3270:03 Coastal, Estuarine, and Mangrove Ecosystems <i>PREREQ: BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)</i>
	<b>Major</b> BS2470:03 Evolution <i>PREREQ: BZ1001 or BS1001 or BZ1005</i>	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)
	<b>Major</b> MB2050:03 Functional Biology of Marine Organisms <i>PREREQ: ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006</i>	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)
	<b>Major</b> MB3050:03 Biological Oceanography <i>PREREQ: (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001)</i>	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

Year 4	STUDY PERIOD 1		STUDY PERIOD 2	
	<b>Course</b>			
	SC3008:03 Professional Placement			
	<i>PREREQ: 12 credit points of second year subjects and be enrolled in their final year of study within the College of Science and Engineering</i>			
	<b>Major</b>			
MB3210:03 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> <b>OR</b> MB3160:03 Evolution and Ecology of Reef Fishes <i>PREREQ: MB2050 and (MB2060 or BS2460) and a minimum mark of credit in BS2470 or MB2070 (or MB5070 or equivalent)</i>				
Elective <b>OR</b> Second Major Subject (Depending on chosen structure)				
Elective <b>OR</b> Second Major Subject (Depending on chosen structure)				

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 <i>PREREQ: CH1001</i>
CH1001:03 Chemistry: A Central Science		EA1110:03 Evolution of the Earth
EG1000:03 Engineering 1		MA1003:03 Mathematical Techniques <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 <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 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 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 <i>PREREQ: MA1003</i>	CH2103:03 Analytical Chemistry <i>PREREQ: CH1001 OR CH1011</i>
MA2830 Data Visualisation	EV2502:03 Introduction to Geographic Information Systems <i>PREREQ: At least 12 credit points of level 1 subjects</i>
SC3010:03 Sensors and Sensing for Scientists <i>PREREQ: SC2202 OR (SC2209 OR SC2201 OR BZ2001)</i>	MA2210:03 Linear Algebra <i>PREREQ: MA1003</i>

  

TRIMESTER 3
CP2404:03 Database Modelling CP2404:03 Database Modelling- <small>*EXTERNAL OFFERING</small>

### 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

[Bachelor of Science Handbook](#)  
[Marine Biology Major](#)