

## Bachelor of Marine Science (CH1020 and MA1020 required)

Useful study planning/enrolment resources:

[Subject Search](#)  
[Academic Calendars](#)  
[Class Registration](#)  
[Enrolment Resources](#)

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 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.

Year 1	STUDY PERIOD 1	STUDY PERIOD 2
	Course <b>BS1007:03</b> Introduction to Biodiversity	Course <b>EA1110:03</b> Evolution of the Earth
	Course <b>MA1020:03</b> Prep Mathematics (also available in SP3)	Course <b>SC1102:03</b> Modelling Natural Systems <i>PREREQ: MA1020 or Senior Mathematics or equivalent</i> or <b>SC1109:03</b> Modelling Natural Systems-Advanced <sup>^</sup> <i>PREREQ: MA1000</i> <sup>^</sup> SC1109 is compulsory in the Advanced Science degree and should be taken instead of SC1102 if you are considering that pathway.
	<b>CH1020:03</b> Prep Chemistry	Course <b>MB1110:03</b> Introductory Marine Science <i>PREREQ: (Senior Chemistry or CH1020 or CH0020) and (Maths B or MA1020 or MA0020) – allow concurrent for CH1020 and MA1020</i>
	<b>Elective</b> See <b>List 1</b> for recommended subject streams	Course <b>MA1000:03</b> Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or Maths B or Maths C</i>

Year 2	STUDY PERIOD 1	STUDY PERIOD 2
	Course <b>SC2202:03</b> Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i> or <b>SC2209:03</b> Quantitative Methods in Science-Advanced <i>PREREQ: MA1003 and (SC1109 plus 6 credit points of other Level 1 subjects)</i>	Course <b>PH2006:03</b> Marine Physics or <b>PH2009:03</b> Advanced Marine Physics <i>PREREQ: PH1005 and MA1000</i>
	Course <b>CH1001:03</b> Chemistry: A Central Science <i>PREREQ: CH1020, CH0020 or EG1010 or High School Senior Chemistry</i>	Course <b>EV2502:03</b> Introduction to Geographic Information Systems <i>PREREQ: 12 credit points of Level 1 subjects</i>
	Course <b>MB2050:03</b> Functional Biology of Marine Organisms <i>PREREQ: ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006</i>	<b>Elective</b> <i>See List 1 for recommended subject streams</i>
	<b>Elective</b> <i>See List 1 for recommended subject streams</i>	<b>Elective</b> <i>See List 1 for recommended subject streams</i>

Year 3	STUDY PERIOD 1		STUDY PERIOD 2	
	Course <b>MB3050:03 Biological Oceanography</b> <i>PREREQ: (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001)</i>		Course <b>EA3110:03 Sedimentology and Stratigraphy</b> <i>PREREQ: EA1110</i>	
	Course <b>EV3406:03 Coral Reef Geomorphology</b> <i>PREREQ: 12 credit points of Level 2 subjects including 6 credit points of Level 2 EV, EA or MB subjects</i>		Course <b>MB3270:03 Coastal, Estuarine and Mangrove Ecosystems</b> <i>PREREQ: BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)</i>	
	Course <b>SC3010:03 Sensors and Sensing for Scientists</b> <i>PREREQ: BZ2001 or SC2202 or SC2209 or SC2201</i>		Course <b>EV3401:03 Coastal and Catchment Geomorphology</b> <i>PREREQ: 12 credit points at Level 2 including 6 credit points of Level 2 EV or EA subjects</i>	
	Course <b>CH2042:03 Marine Chemistry and Chemical Ecology</b> <i>PREREQ: CH1001 or CH1011</i>			
			<b>STUDY PERIOD 11</b> (Nov-Jan)	
		Course <b>EA3640:03 Advanced Environmental and Marine Geoscience Technologies and Applications</b> <i>PREREQ: 12 credit points of Undergraduate subjects including 3 credit points of Level 1 EA or MB subjects</i>		

LIST 1	
CHEMISTRY STREAM	
STUDY PERIOD 1	STUDY PERIOD 2
CH3041:03 Environmental Chemistry <i>PREREQ: CH1001 or CH1011 or EG1010</i>	CH1002:03 Chemistry: Principles and Applications <i>PREREQ: CH1001 or CH1011 and allow concurrent for CH1011 and CH1001</i>
	CH2310:03 Syntheses and Mechanism in Organic Chemistry <i>PREREQ: CH1001 and CH1002</i>
	CH2103:03 Analytical Chemistry <i>PREREQ: CH1001 or CH1011</i>



FISHERIES STREAM		
STUDY PERIOD 1		STUDY PERIOD 2
MB3150:03 Fisheries Science <i>PREREQ: (SC2202 or SC2209 or BS2001 or AG2001) or MB2060 or BS2460</i>		BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of level 1 or 2 BZ, BS, or EV subjects</i>
		MB2080:03 Invertebrate Biology <i>PREREQ: BZ1004 or AG1004 or BZ1006 or BZ1007 or BS1007</i>
		STUDY PERIOD 11 (Nov-Jan)
		MB3014:03 Managing Tropical Fisheries <i>PREREQ: At least 12 credit points at level 2 including 6 credit points of level 2 BZ, BS, EV, or MB subjects</i>

MARINE BIOLOGY STREAM		
Select 4 subjects from:		
STUDY PERIOD 1		STUDY PERIOD 2
MB2070:03 Marine Biogeography <i>PREREQ: BS1001 or BZ1001 and (ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007)</i>		MB2080:03 Invertebrate Biology <i>PREREQ: BZ1004 or AG1004 or BZ1006 or BZ1007 or BS1007</i>
MB3160:03 Evolution and Ecology of Reef Fishes <i>PREREQ: MB2050 and MB2050 and (MB2060 or BS2460) and a minimum mark of credit in BS2470 or MB2070 (or MB5070 or equivalent)</i>		BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of level 1 or 2 BZ, BS, or EV subjects</i>
		MB3190:03 Coral Reef Ecology <i>PREREQ: Credit or better in MB2060 OR BS2460. Prior approval required.</i>

MATHS STREAM		
Select MA1003 plus 3 subjects from:		
STUDY PERIOD 1	STUDY PERIOD 2	
MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>	
	MA2210:03 Linear Algebra <i>PREREQ: MA1003</i>	
	MA2405:03 Advanced Statistical Modelling <i>PREREQ: MA1401 OR BZ2001 OR MA2401 OR SC2202 OR SC2209 AND MA1000</i>	
	MA3405:03 Statistical Data Mining for Big Data <i>PREREQ: MA2405 OR MA2000 OR SC2202 OR SC2209</i>	
		TRIMESTER 3
		CP2404:03 Database Modelling <i>PREREQ: MA1401 OR BZ2001 OR MA2401 OR SC2202 OR SC2209 AND MA1000</i>

PHYSICS STREAM		
Select PH1005 and PH3006 plus 2 subjects from:		
STUDY PERIOD 1	STUDY PERIOD 2	
PH1005:03 Advanced Stream Physics 1 <i>PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008 OR admission to 116209, 116409 or 116309. Allow concurrent for MA1000 and MA1008</i>	PH3006:03 Oceanography and Meteorology <i>PREREQ: MA2000 and PH2019</i>	
PH2002:03 Classical Mechanics and Quantum Physics 1 <i>PREREQ: MA1003 AND PH1005 AND (PH1006 OR PH1007 OR (EG1012 AND EG1011))</i>	MB2080:03 Invertebrate Biology <i>PREREQ: BZ1004 or AG1004 or BZ1006 or BZ1007 or BS1007</i>	
PH2019:03 Introduction to Electromagnetism Optics and Early Quantum <i>PREREQ: (EG1012 OR PH1005) AND MA1003</i>	PH2240:03 Atomic and Nuclear Physics <i>PREREQ: PH2002 and MA1003</i>	

#### ADDITIONAL INFORMATION

Students must complete a minimum of 18 credit points of Level 3 subjects.

#### COURSE HANDBOOK

[Bachelor of Marine Science Handbook](#)