



## Bachelor of Marine Science (Domestic students)

Program code	Entry requirements	Prerequisites
1328	65.00	NIL
<b>Available at</b> Gold Coast Campus	ATAR/RANK 2024 <a href="#">(more)</a>	<b>Assumed knowledge</b> Any General or Applied English subject (Units 3 and 4, C) General Mathematics or Mathematical Methods (Units 3 and 4, C)
<b>Duration</b> 3 years full-time 6 years part-time	<b>Commencing in</b> Trimester 1 and Trimester 2	
<b>Credit points</b> 240		
<b>Indicative fee</b> \$8,500.00* per year <a href="#">(more)</a> * 2024 indicative annual CSP fee		

### Degree requirements: Students who started Trimester 1 - 2022

For Domestic and those International students not required to complete the English Language Enhancement course

For the award of *Bachelor of Marine Science (BMarSc)*, you must successfully complete 240 credit points, made up of the core courses AND

- 60 credit points for a major AND
  - A second major OR
  - 40 credit points of free-choice electives AND 20 credit points of listed electives.

#### Other program requirements

You must successfully complete:

- no more than 100 credit points of Level 1 courses (the first digit of a course code denotes the level);
- at least 60 credit points of Level 3 courses or higher.

This degree may be awarded **with Distinction** where a student achieves a minimum program GPA of 6.5 with no failed courses. The words "This award was achieved with Distinction" will be recorded on the testamur.

#### Australian Qualifications Framework (AQF) Level and Type

The **Australian Qualifications Framework (AQF)** is the national policy for regulated qualifications in Australian education and training. This qualification is accredited as an AQF Level 7 - Bachelor Degree.

#### English Language Enhancement

Domestic students enrolled in this program whose first language is not English may complete the following **English Language Enhancement Course** as an elective.

- [5903LHS Language and Communication for Sciences](#)

Students whose first language is English are not permitted to undertake this course.

### Program learning outcomes

#### Program learning outcomes

**Program Learning Outcomes** communicate to the community the value of the Griffith educational experience as benchmarked against national qualification standards.

**Program Learning Outcomes for this award** describe the knowledge, skills and the application of knowledge and skills you will

acquire through studying the Griffith program of your choice.

### Course list: Students starting Trimester 1 - 2022

Course offering information in program structures is a guide only. Please check the actual offering information in the Course Catalogue.

**Note: Students must check the prerequisite and incompatible requirements before selecting any course within this program.**

The first year of study provides both a foundation in the physical sciences and for specialised study in the marine science discipline. You will need to consider the pathway to your minor because some of the core courses for the Coastal Oceanography minor are different to meet prerequisites for later courses.

You will be able to select one of three majors (Marine Ecology, Marine Chemistry and Biotechnology, Coastal Management) each comprising 60 credit points in the second/third years and 60 credit points of listed and free choice electives. Alternatively, you may select two majors of 60 credit points courses in the second/third years. You will also complete a 20 credit point Environmental capstone course or Work Integrated Learning course in Year 3/Trimester 1 or 2.

#### English Language Enhancement course

Students required to undertake the English Language Enhancement course must complete 5903LHS in their first trimester of study in place of a free-choice elective:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2 or 3	5903LHS	English Enhancement	Language and Communication for Sciences	10

#### Year 1

You must complete the following Level 1 courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	1023SCG	Core to Program	Chemistry I	10
Tri 1,3	1015SCG	Core to Program	Quantitative Reasoning	10
Tri 1,3	1041SCG	Core to Program	Biological Systems	10
Tri 1	1007ENV	Core to Program	Introduction to Marine Science	10
Tri 2	1044SCG	Core to Program	Earth Systems	10
Tri 2,3	1014SCG	Core to Program	Statistics	10
Tri 2	1024SCG	Core to Program	Chemistry II	10
Tri 2	1042SCG	Core to Program	Genetics and Evolutionary Biology	10

Note 1: Students needing to take the English language enhancement course 5903LHS Language and Communication for Sciences, can take this course in place of an elective in Year 2.

#### Years 2 and 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2291ENV	Core to Program	Applied Data Science	10
Tri 1	2303ENV	Core to Program	Zoology	10
Tri 1,2 or 3	3900ESC	Core to Program	Work Integrated Learning Placement	20
			<b>OR</b>	
Tri 2	3892ENV	Core to Program	Environmental Capstone	20

You must complete one of the following options:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2			Major courses	60
			<b>AND</b>	
Tri 1,2,3			Free choice electives	40
			<b>AND</b>	
Tri 1,2			Listed Electives	20
			<b>OR</b>	
Tri 1,2			Major courses	60
			<b>AND</b>	
Tri 1,2			Major courses	60

## Majors (3 available)

### Coastal Management

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2804ENV	Core to Major	Coastal Environments (see Note 1)	10
Tri 1	2203ENV	Core to Major	Environmental Chemistry and Monitoring (see Note 2)	10
Tri 1,3	2107ENV	Core to Major	Introduction to Geographic Information Systems	10
Tri 2	3306ENV	Core to Major	Environmental Management	10
Tri 1	3804ENV	Core to Major	Marine Ecosystem Modelling	10
Tri 2	3332ENV	Core to Major	Marine Conservation and Resource Management	10

Note 1: Students completing Coastal Management major and Marine Chemistry and Biotechnology major will complete 2203ENV once and a free-choice elective.

Note 2: Students completing Coastal Management major and Marine Ecology major will complete 2804ENV once and a free-choice elective.

## Marine Chemistry and Biotechnology

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2203ENV	Core to Major	Environmental Chemistry and Monitoring (see Note 1)	10
Tri 2	2012NSC	Core to Major	Molecular Biology	10
Tri 1	2202ENG	Core to Major	Environmental Microbiology and Ecology	10
Tri 2	3202ENV	Core to Major	Advanced Analytical Chemistry	10
Tri 1	3201ENV	Core to Major	Aquatic Chemistry and Pollution	10
Tri 2	2803ENV	Core to Major	Marine Biodiscovery (see Note 2)	10

Note 1: Students completing Coastal Management major and Marine Chemistry and Biotechnology major will complete 2203ENV once and a free-choice elective.

Note 2: Students completing Marine Chemistry and Biotechnology major and Marine Ecology major will complete 2803ENV once and a free-choice elective.

## Marine Ecology

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2804ENV	Core to Major	Coastal Environments (see Note 1)	10
Tri 2	2305ENV	Core to Major	Marine Megafauna and Planetary Health	10
Tri 2	2603ENV	Core to Major	Ecology (not offered from 2023)	10
			<b>OR</b>	
Tri 2	2051ENV	Core to Major	Ecology	10
Tri 1	3801ENV	Core to Major	Estuarine Ecology	10
Tri 1	3805ESC	Core to Major	Coral Reefs	10
Tri 2	2803ENV	Core to Major	Marine Biodiscovery (See Note 2)	10

Note 1: Students completing Coastal Management major and Marine Ecology major will complete 2804ENV once and a free-choice elective.

Note 2: Students completing Marine Chemistry and Biotechnology major and Marine Ecology major will complete 2803ENV once and a free-choice elective.

## Electives (2 available)

### Listed Electives

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2107ENV	Listed Elective	Introduction to Geographic Information Systems	10
Tri 1	3804ENV	Listed Elective	Marine Ecosystem Modelling	10
Tri 1	2202ENG	Listed Elective	Environmental Microbiology and Ecology	10
Tri 2	3332ENV	Listed Elective	Marine Conservation and Resource Management	10
Tri 2	2803ENV	Listed Elective	Marine Biodiscovery	10
Tri 2	2603ENV	Listed Elective	Ecology (not offered from 2023)	10
			<b>courseLineOperator</b>	
Tri 2	2051ENV	Listed Elective	Ecology	10
Tri 2	2305ENV	Listed Elective	Marine Megafauna and Planetary Health	10
Tri 1	3801ENV	Listed Elective	Estuarine Ecology	10
Tri 1	3805ESC	Listed Elective	Coral Reefs	10
Tri 2	3803ENV	Listed Elective	Marine Biology	10
Tri 1,2,3	3911ESC	Listed Elective	Work Integrated Learning Special Topic	10

### Free-choice electives

You may select free-choice electives from the list below or any **Undergraduate free-choice elective/s** offered across the University provided prerequisites are met. If you require guidance please liaise with your Program Director.

Trimester	Course code	Requirement	Course title	CP
Tri 1	2002ENG	Free-choice Elective	Fluid Mechanics and Hydraulics	10
Tri 1	2014MSC	Free-choice Elective	Organic Chemistry	10
Tri 2	2201NSC	Free-choice Elective	Linear Algebra and Applications	10
Tri 1	2303ENV	Free-choice Elective	Zoology	10
Tri 1	2416ENV	Free-choice Elective	Environmental Anthropology	10
Tri 1	3201ENV	Free-choice Elective	Aquatic Chemistry and Pollution	10
Tri 1	3307ENV	Free-choice Elective	Environmental and Social Futures	10
Tri 1,3	4118ENV	Free-choice Elective	Policymaking and Planning for Climate Change	10
Tri 2	2102NSC	Free-choice Elective	Spectroscopic and Molecular Analysis	10
Tri 2	2202ENV	Free-choice Elective	Physical and Analytical Chemistry	10
Tri 2,3	2212ENV	Free-choice Elective	Ecotox and Impact Assessment	10
Tri 2	2204NSC	Free-choice Elective	Introduction to Mathematical Modelling	10
Tri 2	2281ENV	Free-choice Elective	Economics and the Environment	10
Tri 2	2304ENV	Free-choice Elective	Rivers and Catchments	10
Tri 2	2702ENV	Free-choice Elective	Botany	10
Tri 2	2803ENV	Free-choice Elective	Marine Biodiscovery	10
Tri 1,2 or 3	2043IBA	Free-choice Elective	Innovation, Creativity and Entrepreneurship	10
Tri 1,2	2034IBA	Free-choice Elective	Griffith Innovation Challenge	10
Tri 2	3202ENV	Free-choice Elective	Advanced Analytical Chemistry	10
Tri 2	3306ENV	Free-choice Elective	Environmental Management	10
Tri 2	3308ENV	Free-choice Elective	Emerging Topics in Conservation	10
Tri 2	3332ENV	Free-choice Elective	Marine Conservation and Resource Management	10
Tri 2	3441ENV	Free-choice Elective	Land Degradation and Catchment Management	10
Tri 1,2 or 3	3101ENV	Free-choice Elective	Project	10
Tri 1,2 or 3	3002LFC	Free-choice Elective	Community Internship and Partnerships for SDGs	10