



Bachelor of Marine Science (Domestic students)

Program code	Entry requirements	Prerequisites
1328	14	English (4SA)
Available at Gold Coast Campus	Overall position (OP) 2019 68	Assumed knowledge Maths A or B (4SA)
Duration 3 years full-time 6 years part-time	Rank 2019 (more) OR VET qualification Certificate III (Additional requirements)	OP 1-6 Guarantee If you receive an OP 1-6 or equivalent and meet subject prerequisites, you are guaranteed a place in this program.
Credit points 240	Offered in Trimester 1 and Trimester 2	
Indicative fee \$9,359.00* per year (more) * 2019 indicative annual CSP fee Calculate your fees		

Degree requirements: Students who started Trimester 2 - 2019

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

- 40 credit points for a minor and 20 credit points of free-choice electives; **or**
- 60 credit points of free-choice 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/s 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 and will appear below the conferral date of the award.

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 (ELE) course** as an elective.

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

Students whose first language is English are not permitted to undertake this ELE 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 2 - 2019

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 four minors (Coastal Oceanography, Coastal Management, Marine Chemistry, Marine Ecology) each comprising 40 credit points in the second/third years, plus a 10 credit point elective course. Alternatively, you may select 50 credit points of elective courses in the second/third years. You will also complete a 20 credit point capstone course Science Capstone or Industry Affiliates Program in Year 3/Trimester 1 or 2.

English Language Enhancement course

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

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

Year 1

You must complete the following Level 1 courses:

Trimester	Course code	Course title	CP
Tri 1,3	1023SCG	Chemistry I	10
Tri 1,3	1015SCG	Quantitative Reasoning	10
		OR	
Tri 1	1201SCG	Linear Algebra (Coastal Oceanography minor)	10
Tri 1,3	1041SCG	Biological Systems	10
		OR	
Tri 1	1031SCG	Physics 1A (Coastal Oceanography minor)	10
Tri 1	1043SCG	Introduction to Environmental Sustainability	10
Tri 2	1044SCG	Earth Systems	10
Tri 2,3	1014SCG	Statistics	10
		OR	
Tri 2	1202SCG	Calculus I (Coastal Oceanography minor)	10
Tri 2	1024SCG	Chemistry II	10
Tri 2	1007ENV	Introduction to Marine Science	10

Years 2 and 3

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 1	2206ENV	Introduction to Oceanography	10
Tri 1	2804ENV	Coastal Environments	10
Tri 1	2291ENV	Applied Data Science	10
		OR	
Tri 1	2205NSC	Calculus II (Coastal Oceanography minor)	10
Tri 1	2203ENV	Environmental Chemistry and Monitoring	10
Tri 1	2107ENV	Introduction to Geographic Information Systems (see Note 2)	10
Tri 2	2305ENV	Marine Megafauna: Sentinels of the Sea	10
Tri 2	3701ENV	Microbial Ecology and Biogeochemistry	10

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 1	3804ENV	Marine Ecosystem Modelling	10
Tri 1,2	3900ESC	Work Integrated Learning Placement	20
		OR	
Tri 2	3892ENV	Environmental Capstone	20

You must complete one of the following options:

Trimester	Course code	Course title	CP
Tri 1,2		Minor courses	40
		AND	
Tri 1	3801ENV	Estuarine Ecology (see Note 1)	10
		AND	
Tri 1,2		Free-choice elective (see Note 2)	10
		OR	
Tri 1,2		Minor courses	40
		AND	
Tri 1,2		Free-choice elective (see Note 2)	20
		OR	
Tri 1,2		Free-choice electives (see Note 2)	60

Note 1: This course is an intensive course run prior to the start of Trimester 1. Coastal Oceanography Minor students may choose an elective instead of 3801ENV.

Note 2: Students required to undertake 5903LHS in Year 1 will do so in place of a free-choice elective.

Minors (4 available)

Coastal Management

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 1,3	4118ENV	Policymaking and Climate Change	10
Tri 2	3332ENV	Marine Conservation and Resource Management	10
Tri 2	3306ENV	Environmental Management	10
Tri 2	3111ENG	Coastal Zone Management (see Note 1) (not offered from 2018)	10
		OR	
Tri 2	2603ENV	Ecology	10

Coastal Oceanography

You must complete the following foundation courses

Trimester	Course code	Course title	CP
Tri 1	1201SCG	Linear Algebra	10
Tri 1	1031SCG	Physics 1A	10
Tri 1	1202SCG	Calculus I	10

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 1	2002ENG	Fluid Mechanics and Hydraulics	10
Tri 1	6110ENG	Coastal Engineering and Modelling	10
Tri 2	2204NSC	Introduction to Mathematical Modelling	10
Tri 2	3504ENV	Marine Ecotoxicology (not offered from 2018)	10
		OR	
Tri 2,3	2212ENV	Ecotox and Impact Assessment (offered online)	10

Marine Chemistry

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 2	2803ENV	Marine Chemical Ecology and Biotechnology	10
Tri 1	3201ENV	Aquatic Chemistry and Pollution	10
Tri 2	3504ENV	Marine Ecotoxicology (not offered from 2018)	10
		OR	
Tri 2,3	2212ENV	Ecotox and Impact Assessment (offered online)	10
Tri 2	3202ENV	Advanced Analytical Chemistry	10

Marine Ecology

You must complete the following courses:

Trimester	Course code	Course title	CP
Tri 1	2303ENV	Zoology	10
Tri 2	2803ENV	Marine Chemical Ecology and Biotechnology	10
Tri 2	2603ENV	Ecology	10
Tri 2	3332ENV	Marine Conservation and Resource Management	10
		OR	
Tri 2	3504ENV	Marine Ecotoxicology (not offered from 2018)	10

Electives (1 available)

Free-choice electives

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

Trimester	Course code	Course title	CP
Tri 1	2002ENG	Fluid Mechanics and Hydraulics	10
Tri 1	2014MSC	Organic Chemistry	10
Tri 1	2201NSC	Linear Algebra and Differential Equations	10
Tri 1	2303ENV	Zoology	10
Tri 1	2416ENV	Environmental Anthropology	10
Tri 1	3201ENV	Aquatic Chemistry and Pollution	10
Tri 1	3241ENV	Quantitative Ecology (Nathan)	10
Tri 1	3307ENV	Environmental and Social Futures	10
Tri 1,3	4118ENV	Policymaking and Climate Change	10
Tri 1	6110ENG	Coastal Engineering and Modelling	10
Tri 2	2102NSC	Spectroscopic and Molecular Analysis	10
Tri 2	2202ENV	Physical and Analytical Chemistry	10
Tri 2,3	2212ENV	Ecotox and Impact Assessment (offered online)	10
Tri 2	2204NSC	Introduction to Mathematical Modelling	10
Tri 2	2221ENV	Environmental Politics and Policy	10
Tri 2	2281ENV	Economics and the Environment	10
Tri 2	2304ENV	Rivers and Catchments	10
Tri 2	2603ENV	Ecology	10
Tri 2	2702ENV	Botany	10
Tri 2	2803ENV	Marine Chemical Ecology and Biotechnology	10
Tri 1,2 or 3	2043MKT	Entrepreneurship and New Business Ventures (Tri 1: NA,OL; Tri 2: SB,GC; Tri 3: NA,GC)	10
Tri 1,2 or 3	3031IBA	Griffith Innovation Challenge (offered GC only in T2-2019)	10
Tri 2	3119MED	Environmental Toxicology and Risk Assessment	10
Tri 2	3202ENV	Advanced Analytical Chemistry	10
Tri 2	3306ENV	Environmental Management	10
Tri 2	3308ENV	Emerging Topics in Conservation	10
Tri 2	3332ENV	Marine Conservation and Resource Management	10
Tri 2	3441ENV	Land Degradation and Catchment Management (Nathan)	10
Tri 2	3701ENV	Microbial Ecology and Biogeochemistry	10
Tri 1,2 or 3	3101ENV	Project	10
Tri 1,2 or 3	3103ENV	Industry Placement	10
Tri 1,2 or 3	3002LFC	Community Internship	10