

# Bachelor of Science, Major in Marine Science

## ENTRY REQUIREMENTS

|                            |                                                                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assumed Knowledge</b>   | For astronomy and astrophysics, mathematics, statistical data science and applied physics majors: HSC Mathematics Advanced (Band 4), or equivalent. If you haven't met the required minimum level of achievement (Band 4 or equivalent), you can undertake an alternative introductory unit of study in that area. |
| <b>Recommended Studies</b> | HSC Mathematics Advanced or equivalent, at least 2 units of science.<br>For astronomy and astrophysics, and applied physics majors: HSC Physics.<br>For mathematics major: HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2, or equivalent.                                                    |

## COURSE STRUCTURE

**Core Zone 160 Units + Flexible Zone 80 Units**  
**= 240 Credit points.**

**Essential units = Each unit is 10 credit points.**

**Capstone unit = 10 credit points**

**FOSE3000** Making Science Work for You and Society: Capstone

**Essential units = 20 credit points**

**FOSE1000** Becoming a Scientist

**FOSE2000** The Science Practitioner

**Elective units - Statistics = 10 credit points - contains 20**

**Complete 10 credit points from the following options.**

**STAT1170** Introductory Statistics

**STAT1371** Statistical Data Analysis

**Elective Units - Data & Computing = 10 credit points - contains 20**

**Complete 10 credit points from the following options.**

- Students enrolling in Astronomy, Applied Physics, Mathematics or Statistical Data Science majors must enrol in FOSE1030.

- Student enrolling in Biology, Biotechnology, Chemistry, Human Biology, Earth and Environmental Sciences, and Physiological Sciences major must enrol in FOSE1025.**

- Students enrolling in double majors that requires both FOSE1025 and FOSE1030 can complete the other Data & Computing unit not selected below in the Other Science - 20 credit points option set.

**FOSE1025** Scientific Computing

**FOSE1030** Introduction to Python Programming

**Elective Units - Other Science = 20 credit points**

Complete 20 credit points from Any 1000 or 2000 level unit coded ASTR, BIOL, CHEM, EESC, ENVS, MATH, PHYS, PSYU, STAT, BMOL, MOLS, FOSE

**Elective units - PACE = 10 credit points**

**Complete 10 credit points from the following PACE options.**

**MOLS3002** PACE: Engaging the Community in Science

**BIOL3640** PACE: Experience in Biological Sciences

**Essential Units: Major Marine Science**

**Complete each unit below. 80 credit points.**

**BIOL1310** Organisms to Ecosystems

**EESC1160** Blue Planet

**BIOL2610** Biological Data Analysis

**BIOL2410** Ecology

**EESC2160** Climate and Oceans

**BIOL3440** Aquatic Ecosystems

**EESC3310** Marine Environmental Issues

**BIOL3340** Marine Megafauna

**Flexible Zone = 80 credit points**

You can use your flexible zone to enroll in any Undergraduate unit for which you meet the requisites. You may also use your flexible zone to complete a second major or a minor(s).

CORE ZONE

CORE ZONE

FLEXIBLE ZONE

Scan the QR code to  
find out more

