Bachelor of Marine Science and Management
2019

Dive into a career in marine science

Understanding and conserving our marine environment is vital to a sustainable future. Establish your dream career and help make a difference with the Bachelor of Marine Science and Management.

The course combines marine science with contemporary management concepts and has a focus on conservation issues in both coastal and marine ecosystems.

This degree has a strong practical component. You will develop skills in the laboratory and field in a range of tropical and subtropical environments including the Solitary Islands, Cape Byron and Great Barrier Reef marine parks.

Explore global environmental issues including marine pollution and climate change, while also learning about coral reef ecology, marine mammal conservation and other fascinating subjects.

You will also have the option to gain a nationally recognised qualification in scientific scuba diving.

scu.edu.au/marinescience
Major areas of study

This course includes a wide range of elective units, such as:

**Marine Mammals: Biology and Conservation**

Get up close and personal with whales, dolphins and seals. Learn about their biology and ecology, key threats to populations, and analyse management priorities to ensure their continued survival. You will have the unique opportunity to swim with whales in subtropical Australia.

**Coral Reefs on the Edge**

Spend 10 days on the Great Barrier Reef learning about the structure and function of these ecosystems, the key factors that are threatening their existence, and identifying management solutions to address these issues. Hands-on field work, including snorkel trips and reef-flat surveys, add to the experience.

**Scientific Diving**

Complete theoretical, practical and technical training in the principles and safe practice of diving as it relates to research in marine science. You will gain an entry-level Scientific Diving qualification which is essential for those continuing in postgraduate studies, or seeking roles that involves research diving. You will learn about underwater survey methods, planning and logistics, best practice diving techniques, and data management and analysis.

**Marine Pollution**

Explore the major chemical, physical and biological pollutants in the marine environment, including their pathways, fates and impacts on marine ecosystems and human health. You will learn about different monitoring programs and techniques for detecting and managing pollutants. You will also gain skills in sampling techniques and analysis of polluted samples.

**Ocean Change Biology**

Gain knowledge of local and ocean climate systems and how humans are altering the global climate. You will examine changes in the oceans carbon cycle, and ocean acidification and warming, while learning about the impacts to marine organisms and communities, and their capacity to adapt and acclimatise to these changes.

Career opportunities

Our graduates work in a diverse range of fields in public and private environmental sectors. You may be employed as a consultant, marine park planner, marine biologist and ecologist, marine reserve officer, aquaculturalist, fisheries manager, project officer, technical officer, state coordinator, or work in marine research.

Professional placement

You can complete an eight-week professional placement to gain industry experience, working with organisations that include local, state or federal government agencies, private consultancies or business enterprises in Australia or overseas.

**How to apply**

If you are a school leaver and you want to study on campus (full-time or part-time) apply via UAC uac.edu.au or QTAC qtac.edu.au

For non-school leavers or to study online, apply direct to the University: scu.edu.au/howtoapply

Course details

**Locations**

- National Marine Science Centre, Coffs Harbour
- Lismore
- Online

Please note:

**National Marine Science Centre students** can complete the entire degree at the Coffs Harbour facility (depending on unit selection). The final-year units are delivered in intensive mode.

**Lismore students** complete the final-year units at the National Marine Science Centre in Coffs Harbour, which are delivered in intensive mode.

**Online students** attend compulsory residential workshops in Lismore and undertake final-year units at the National Marine Science Centre in Coffs Harbour, which are delivered in intensive mode.

**Duration**

3 years full-time/6 years part-time

**Starts**

March, July