

Master of Marine Biology



JAMES COOK
UNIVERSITY
AUSTRALIA



Ready today for tomorrow

jcu.edu.au



Why JCU?

A STUDENT EXPERIENCE LIKE NO OTHER

- Enjoy learning in small class sizes
- Connect with professional networks
 - Support through scholarships
- Benefit from student support services

OUTSTANDING RANKINGS

Pursue your passion for the ocean and marine life at a University ranked #1 in Australia for sustainable education*. Study in tropical Townsville, the world's second most-prolific city for research related to the United Nation's Sustainable Development Goal 14 'Life below water'†.

WORLD-CLASS LECTURERS

Connect with internationally renowned experts in their field. Master of Marine Biology academics and alumni have broad networks of collaboration with universities, government departments, NGOs and other research organisations across Australia and the world.

UNIQUE TEACHING ENVIRONMENTS

Study in state-of-the-art teaching facilities including the LEED Gold-certified JCU Science Place, and the new Technology and Innovation Centre at the JCU Townsville, Bebegu Yumba campus, Douglas; the Marine and Aquaculture Research Facility (MARF); and the Advanced Analytical Centre (AAC). Enjoy unique access to learning environments including the JCU Orpheus Island Research Station.

SUPPORT FOR YOUR SUCCESS

Gain hands-on, real-world experience through field trips and internship opportunities. Graduate with confidence from the University rated #1 in Queensland for full-time employment outcomes and starting salary^.

*QS Sustainability Rankings 2023 †Nature Index 2021 ^Good Universities Guide 2023



Reef Census Photography: Harriet Spark, Grumpy Turtle Creative

Master of Marine Biology

✓ Gain an outstanding discipline knowledge of marine biology and advance your skills in the areas most sought after by marine sector employers.

✓ Take advantage of JCU's real-world practical experience with field trips commencing within the first few weeks of semester one. Study on-site at coral reefs, islands, mangroves, and seagrass meadows in the Great Barrier Reef Marine Park. Access JCU's research vessels and the JCU Orpheus Island Research Station as well as the Marine and Aquaculture Research Facility (MARF) on-site at JCU Townsville, Bebegu Yumba campus, Douglas.

✓ Work with emerging technologies for marine ecosystem monitoring, learn how to incorporate vital data analysis methods into your work and research, and collaborate with world-leading researchers in Coral Reef Science and Management.

COURSE DETAILS:

| | |
|-----------------------|---|
| Locations: | Townsville |
| Commencing: | January, July |
| Duration*: | 2 year full-time, part-time available |
| Prerequisites: | AQF level 7 bachelor degree in science with a minimum GPA of 5.0 or equivalent. |

Please visit the [handbook](#) for a detailed outline of the course structure.

*Part-time available for domestic students only.

Experience has no substitute

Develop a comprehensive knowledge of marine biology as well as a diverse skill set with this interdisciplinary marine biology degree.

Gain advanced knowledge and experience in the five areas that are most sought after by marine sector employers: marine biology, mathematics/statistics/modelling, environmental science and management, marine and microbial ecology, and cross-disciplinary studies. Enhance your research capabilities with the advanced research skills embedded in all subjects of the degree. Pursue your passion for discovery through the Master of Marine Biology's Research major or gain valuable hands-on experience during a three-month workplace internship with one of JCU's leading industry or government partners.

Gain in-depth experience through field trips, laboratory-based classes, research projects and professional internship opportunities through JCU's unique access to learning environments including the JCU Orpheus Island Research Station; the JCU Science Place and the Technology and Innovation Centre at the JCU Townsville, Bebegu Yumba campus, Douglas; the Marine and Aquaculture Research Facility (MARF) as well as the Advanced Analytical Centre (AAC) and high performance super computer.

As you study the Master of Marine Biology at JCU, you'll get to sharpen your skills with researchers from Centres of Excellence such as the ARC Centre of Excellence for Coral Reef Studies, Centre for Tropical Water and Aquatic Ecosystem Research (TropWATER), and Centre for Sustainable Tropical Fisheries and Aquaculture (CSTFA). At JCU Townsville, you will also study and research in JCU's The Science Place, the first educational facility in Australia to achieve the LEED Gold certification for its environmentally sustainable design.

Build networks with students from all around the globe and internationally renowned industry experts you'll encounter through work integrated learning opportunities. Be part of a tight knit community of marine scientists working together on important projects at the forefront of marine science, such as new technologies for coastal ecosystem mapping, reef regeneration projects, and citizen science projects like The Great Reef Census.

In the three-month internship option, you can gain professional experience in conservation science, environmental management, fisheries, eco-tourism, science communication, big data, or policy development. You will be mentored by industry experts as you apply your knowledge and skills on real-world challenges throughout this work experience. You will intern with leading organisations located in Townsville, further afield in Australia, or internationally.

Graduate with the skills and confidence to help conserve and restore marine ecosystems that sustain over 1 billion people from 120 nations worldwide.



“The best part of my degree has been being surrounded by intelligent people from all different cultures and backgrounds that want to make a positive impact on the world. I have also enjoyed participating in fieldwork for my classes, especially when scuba diving is an option. JCU is renowned for marine science, and it is a definite plus being able to take classes where the lecturers are the authors of the publications you read. This degree has enabled me to continue to build my network of people that are doing significant research, which is why I am confident there are more opportunities to come.”

Shelby Marhoefer, USA

MARINE BIOLOGY STUDENT



“The Master of Marine Biology will provide graduates with the skills most sought after by marine sector employers. Students develop specialist knowledge in different fields of marine science, and gain hands-on experience of professional practice with either a focus on knowledge discovery or work integrated learning.”

Associate Professor Mia Hoogenboom

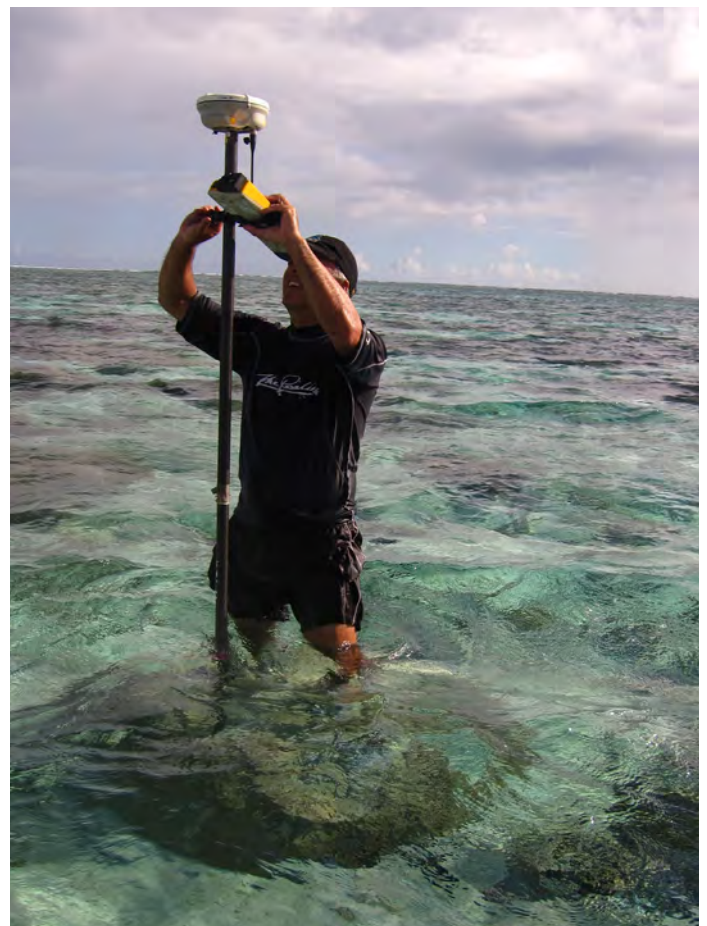
LECTURER, MARINE BIOLOGY,
COLLEGE OF SCIENCE AND ENGINEERING

Career Opportunities

As a graduate of JCU's Master of Marine Biology degree you will have outstanding discipline knowledge of marine biology, transferrable scientific, technical and quantitative skills, and qualities that enable you to contribute to improving marine ecosystems and tropical societies.

During your one-year research project or three-month professional internship you will have opportunities to work with national and international institutions, local environmental industries, NGOs, and government departments for fisheries, science or environmental management. These opportunities frequently lead to employment or further research through PhD studies post-graduation.

Highly regarded by employers, JCU Marine Biology graduates are sought after within a range of private and public sector organisations, both in Australia and internationally, for technical, research, education, management and policy-related positions. You can go on to find employment within a high-profile environmental management and consultancy agency, a government department, a scientific research institute, a commercial venture, or in an education, tourism or even a global environmental media group. Or you may go on to a PhD program at JCU, continuing your studies in marine and freshwater biology research.





Postgraduate coursework applications

Apply directly to JCU, either by a form you download, complete and return, or by using the [Online Application Portal](#).

Your application must reach us before the deadline for your course.

ENTRY REQUIREMENTS

Postgraduate courses will usually require completion of an appropriate undergraduate degree for entry. You'll need to include certified copies of qualifications and academic records with your application. For some programs, appropriate work experience or equivalent qualifications will be considered.

FURTHER INFORMATION

To find out more, call (+61) 1800 246 446 or contact the [Student Enquiry Centre](#).

Contact us

JCU Townsville: +61 7 4781 5255

JCU Cairns: +61 7 4232 1000

Freecall (within Australia): 1800 246 446

Email: enquiries@jcu.edu.au (domestic students)

jcuinternational@jcu.edu.au

(international students)



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