



11247NAT Certificate III in Marine Habitat Conservation and Restoration CRICOS 114899D

Study the world's first Marine Habitat Conservation & Restoration
Accredited Certificate in Australia!



➔ www.envirotech.edu.au
📷 @envirotecheducation
📘 Envirotech Education
✉ admissions@envirotech.edu.au

Course Overview

Our Certificate III in Marine Habitat Conservation & Restoration is a one-of-its-kind VET-accredited course with practical and theoretical activities.

This unique qualification was developed and designed by Envirotech Education and we are the only school (RTO) in the world offering this course.

This course provides students with useful assistance on marine conservation or restoration projects, learn how to contribute to the planning of conservation and restoration fieldwork, how to prepare draft reports and presentations for marine environmental projects, involve into participating in the planting of coastal dune vegetation, provides clear understanding methods of benthic surveys and fish counting techniques, learn the importance of health and safety assessments for proposed fieldwork and prepare a workplace health and safety plan. It enables its graduates to access rewarding employment opportunities with consultancies, conservation groups, and not-for-profit organisations.



Envirotech Mentors: 15 Hours/week

Lectures: 5 Hours/week

Workplace project course work on the job industry training 16 Hours/week



**Online
Support**



**Blended
Mode**



**Paid/Unpaid
Workplacement**



**Project Based
40 Weeks**



**School Duration
50 Weeks**



**19
Units**



**Practical
Components**

COURSE UNITS

Core units

NAT11247001	Provide information on coastal marine projects
NAT11247002	Participate in Planning Marine Environmental Assessment
NAT11247006	Perform line and belt transects for environmental monitoring
NAT11247007	Perform quadrat sampling
NAT11247003	Plan for environmental conservation and restoration projects
NAT11247004	Use tools to carry out basic tasks in marine conservation work
NAT11247005	Install diversity enhancers

Elective units

NAT11247016	Undertake clam seeding
AHCECR306	Conduct photography for fieldwork
NAT11247013	Take measurements of individual corals
NAT11247008	Plan a coral nursery restoration project
NAT11247012	Present information regarding coral and reef conservation
NAT11247018	Perform benthic monitoring
NAT11247017	Survey and report on fish populations
NAT11246012	Take part in a mangrove conservation project
BSBCMM411	Make presentations
PSPREV014	Assess applications for grants, subsidies and rebates
AHCWRK315	Respond to emergencies
NAT11246014	Participate in a coastal dunes rehabilitation project

Micro-credentials

Micro-credentials are combinations of units of competency which link to a licence or regulatory requirement or defined industry need. This program offer specialised accredited skill sets from the program start date to advance our students quality employment options.

- Monitoring of marine communities
- Coral reef restoration
- Environmental assessment of marine/coastal habitats
- Mangrove conservation and restoration
- Oysters and clams' beds restoration

The background of the entire page is a photograph of people in the ocean. On the left, a man's head and shoulders are visible above the water. On the right, a woman is partially visible. The water is clear and blue, and the sky is a solid blue. The text is overlaid on a dark blue semi-transparent rectangle.

Blended Delivery Mode

This course has both theory and practical delivery components. Theory is delivered online through the Microsoft TEAMS platform. You will learn through interactive discussion and group case studies. If you are unable to attend a scheduled class, the recording is accessible online.

The practical aspect of the course is vital as it puts the theory into practice. Practical classes will prepare you with the necessary, specialised skills required to perform hands-on conservation and restoration project work. Practical components of the course are conducted over 3 - 5 days, 2 or 4 times a year. Connect with our team to receive the annual field-work calendar.

Qualification Outcomes

This course provides students with a solid foundation in marine habitat conservation and restoration practical fieldwork techniques. It enables its graduates to access rewarding employment opportunities with consultancies, conservation groups, and not-for-profit organisations

Marine Habitats and Skill Sets

Sand Dunes

Students learn how to use measuring tape and quadrats to monitor sand dunes and participate in coastal dune rehabilitation by replanting coastal plants.

Students will also assess microplastic accumulation on sand dunes and participate in conservation activities.



Corals

Students learn how to take measurements of individual corals, conduct surveys of natural reefs, and monitor a coral restoration site.

Students will also learn how to plan and present information on a coral nursery or restoration project.

Mangroves

Students learn how to identify mangrove species, understand ecosystem services, and the different methods applied to mangrove conservation and restoration projects.

Students will also participate in a field project and use the necessary tools and equipment that contribute to successful conservation outcomes.



Photography

Students will learn techniques and skills to set up and use equipment to take photographs while doing their fieldwork both on land and underwater.

Students will also learn how to successfully capture underwater video as an effective data collection tool for marine conservation research.

Seagrass Monitoring and Assessment

Students learn how to identify seagrass ecosystem and perform assessment and will have the ability to recognize requirements, methods and objectives of the seagrass assessment.

Students will create a seagrass environmental assessment activity plan.



Clams

Students will learn techniques and skills required to obtain clam seeds and perform clam seeding activities as a means of restocking natural clam communities in regenerating coastal environments.

Students will also learn how to work according to site conditions and within the requirements of the coastal rehabilitation plan.

Skills and Knowledge Development

Upon completion of the course participants will be able to:

- Provide useful assistance on marine conservation or restoration projects
- Contribute to the planning of conservation and restoration fieldwork
- Prepare draft reports and presentations for marine environmental projects
- Construct different types of coral nurseries
- Measure corals to monitor growth rate
- Construct diversity enhancers used to increase the biodiversity around jetties and seawalls, and provide stable substrate for the restoration of marine benthic communities
- Participate in the planting of coastal dune vegetation and mangrove conservation work
- Conduct terrestrial and marine ecosystem surveys using belt and line transects, quadrats and underwater cameras
- Understand methods of benthic surveys and fish counting techniques
Identify and report signs of aquatic disease or pests
- Collect and preserve biological samples and apply sampling
- Monitor stock handling activities

Career Outcomes

- Hatcheries – Multiple job functions Fisheries
- Monitoring Technician
- Marine Park Ranger Trainee
- Restoration Project Technician
- Environmental Consultant Assistant
- Junior Marine Field Technician
- Junior Marine Restoration Technician
- Junior Marine Conservation Public Liaison Officer
- Marine and Coastal Data Technician
- Marine and Aquaculture
- Research Assistant
- Junior Aquaculturist for aquaculture
- Farms Aquarium wholesaler's assistant
- Aquaculture hatcheries and nurseries
- Assistant – multiple job functions
- Junior Aquaculturist for live post-harvest holding facilities



Vocational Industry Placement (VIP)

Mandatory Vocational Placement program designed to enrich students' educational experience through practical, real-world engagement.

- 40 weeks and requiring a commitment of 16 hours per week (Face-to-face or online or combination of both).
- This program pairs students with an Industry Vocational Placement Host providing an invaluable opportunity to apply theoretical knowledge in a professional setting.
- Students have the flexibility to bring their own Vocational Placement Host (possible employers), allowing for a personalised experience that aligns with their career aspirations and interests. Alternatively, here are some of our partner organizations:
<https://www.envirotech.edu.au/partnerships>

The primary objectives of this placement are skills development, networking, and enhanced employability. Through hands-on experience, students will refine their professional skills, build meaningful industry connections, and significantly boost their job readiness, giving them a competitive edge in the job market.

This mandatory placement is a pivotal component of the Envirotech Education curriculum, ensuring students not only learn but also experience the realities of their chosen field.

About Envirotech

Envirotech Education is an award-winning Australian Registered Training organization (RTO) endorsed by the Australian Skill Quality Authority (ASQA) for delivery of Vocational Education and Training (VET).

Envirotech VET accreditations are offered to: domestic, indigenous, international, and high school students.

The college has in-house expert trainers, mentors, and business developers, who are dedicated to connecting students to an industry journey and will facilitate engagement in real business initiatives and sustainable projects.

Our Marine and Ecosystem Management Team



Melinda De Luna
Co-CEO, Marine &
Sustainability
Trainer & Assessor



Dr. Steven Andrews
Lead Trainer &
Assessor



Sefano Katz
Marine Expert
Trainer & Assessor



Prof. Nadav Shashar
Professor &
Marine Expert



Iain Watt
Academic
Development
TVET Trainer &
Assessor



Glenda Cadigal
Marine Expert
Trainer & Assessor



Lyle John Cortes
Marine Trainer &
Assessor & Content
Developer



Cherry Jalover-Par
Marine & Sustainability
Assessor & Content
Developer



Noeme Fabiosa
Marine Trainer &
Assessor &
Content Developer



Maricar Daquioag
Marine Academic
Support &
Content Support



Roberto Lampayan
Marine Academic
Support &
Content Developer



Paul Vincent Petalcorin
Marine Academic
Support &
Content Developer



Francia Marie Jose
Marine Academic
Support &
Content Developer



Dr. Maria Fontes, PhD.
Marine &
Sustainability
Trainer & Assessor



Cassia Duarte
Marine &
Sustainability
Trainer & Assessor

JANUARY

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1 - New Year's Day, 27 - Australia Day

FEBRUARY

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18 - Good Friday, 19 - Easter Saturday, 20 - Easter Sunday, 21 - Easter Monday, 25 - Anzac Day

MAY

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5 - Labour Day (QLD)

JUNE

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9 - King's Birthday (National Except QLD & WA)

JULY

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AUGUST

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13 - Royal Queensland Show (QLD)

SEPTEMBER

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OCTOBER

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06 - King's Birthday (QLD) & Labour Day (NSW)

NOVEMBER

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DECEMBER

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25 - Christmas Day, 26 - Boxing Day



Public Holiday



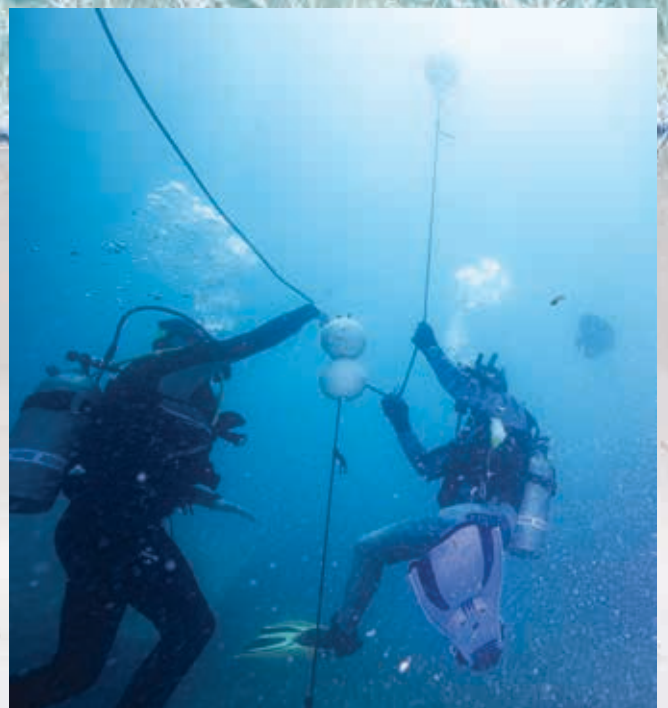
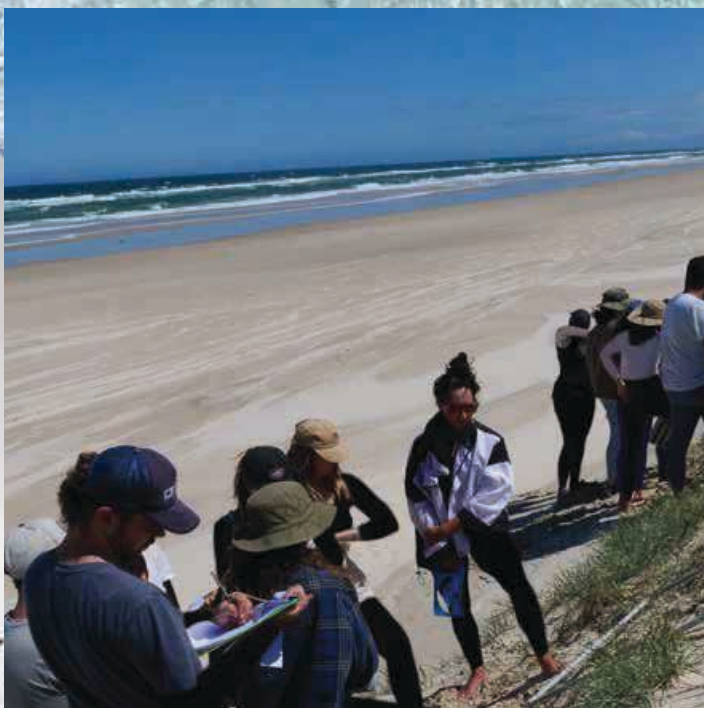
Term Break



Intake Date









ENVIROTECH EDUCATION PTY LTD

ABN: 83133701578
ACN: 133701578
RTO ID: 31871
CRICOS Provider Code: 03094J

CONTACT

Tel: + 61 (7) 5535 3766
Email: admissions@envirotech.edu.au

Gold Coast Dive Centre & Marine Training College

Shed 2 54 Paradise Ave, Miami, QLD, 4220

Sol Gardens Currumbin Valley

10 Bains Rd CURRUMBIN VALLEY QLD 4223

Northern Rivers Marine Services

60 Queen St, Iluka, NSW, 2466

Mungalla Station

1236 Forrest Beach Rd, FORREST BEACH, QLD, 4850

Sydney Institute of Marine Science

19 Chowder Bay Road, Mosman NSW 2088

