



ENVIROTECH
EDUCATION

11247NAT Certificate III in Marine Habitat Conservation and Restoration

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



Course Duration 40 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 |

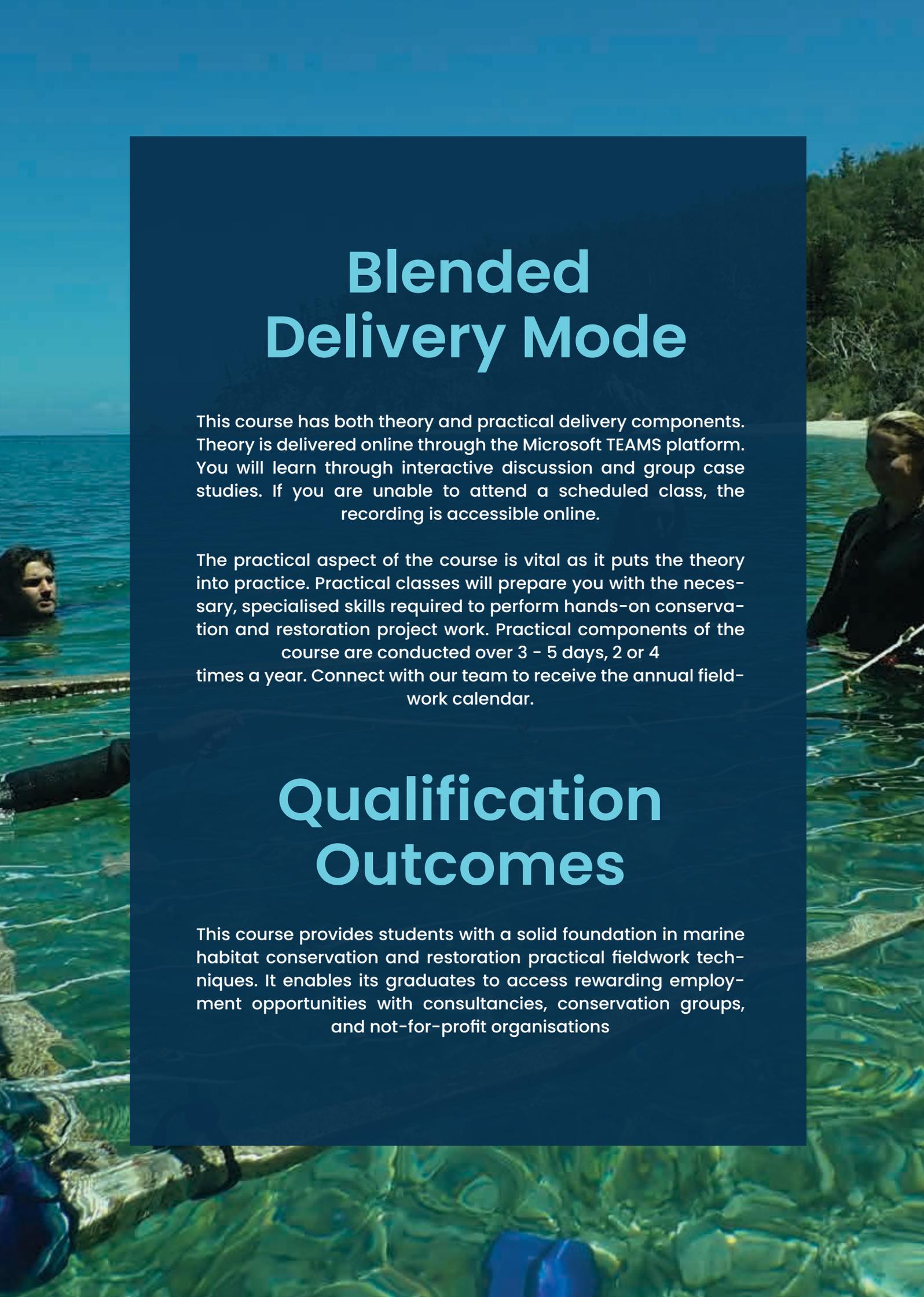
Elective units

| | |
|-------------|---|
| 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



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 of 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

Entry Requirements

There are no entry requirements for this qualification.



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.

Envirotech 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, 26 - Australia Day

FEBRUARY

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MARCH

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APRIL

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3 - Good Friday, 4 - Easter Saturday, 5 - Easter Sunday, 6 - Easter Monday, 25 - Anzac Day

MAY

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4 - Labour Day (QLD)

JUNE

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

JULY

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AUGUST

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12 - Royal Queensland Show (QLD)

SEPTEMBER

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OCTOBER

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

NOVEMBER

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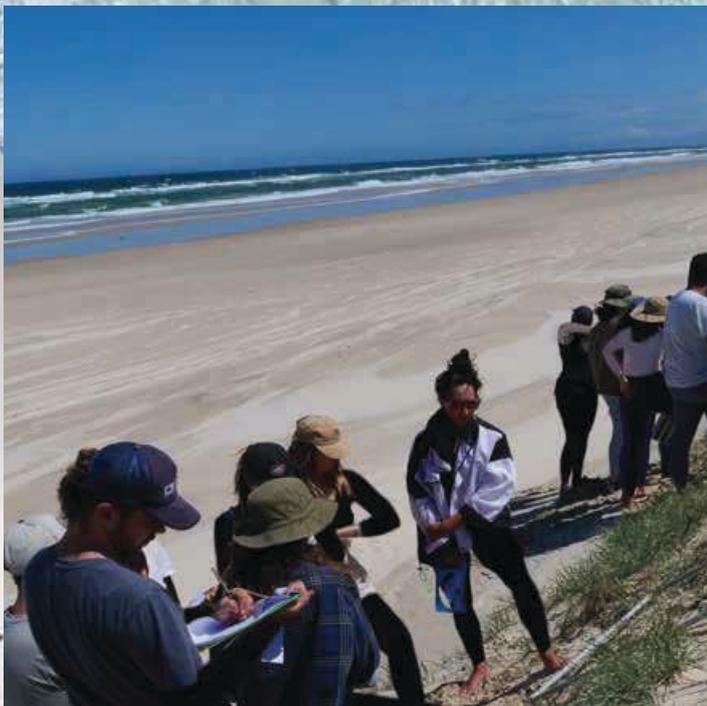
DECEMBER

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| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

25 - Christmas Day, 26 - Boxing Day









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