ENVIROTECH
EDUCATION

Certificate III in Marine Habitat Conservation & Restoration

10750NAT

Study the world's first Marine Habitat Conservation & Restoration accredited certificate in Australia

www.envirotech.edu.au
@envirotecheducation
Envirotech Education
admissions@envirotech.edu.au

WINNER

FINALIST

Course Overview

This course provides students the theoretical knowledge and training in practical skills required to perform activities related to marine habitat conservation and restoration.

At this level, you will learn how to conduct fieldwork and monitoring, take part in marine environmental assessments, plan and present information about marine projects, problem-solve and examine case studies. Group activities and field trips enable you to apply decision making skills, conduct small conservation and restoration projects, and share data and communicate information through basic reports.

This course is focused on protecting our world and making positive impact in existing habitats in our local areas.

Envirotech Mentors: 15 Hours/week	Lectures: 5 Hours/week	Workplace project course work on the job industry training 15 Hours/week

Online Support

Blended Mode

Paid/Unpaid Traineeships

58 weeks

19 Units

Practical Components

Volunteer Hub

Course Units

Core Units

MHCENV001	Provide information on coastal marine projects
MHCENV002	Participate in planning marine environmental assessment
MHCCON001	Plan for environmental conservation and restoration projects
MHCCON002	Use tools to carry out basic tasks in marine conservation work
MHCCON003	Install diversity enhancers
MHCMON002	Perform line and belt transects for environmental monitoring
MHCMON003	Perform quadrat sampling

Elective Units

BSBCMM411	Make presentations
MHCSRN002	Undertake clam seeding
AHCECR306	Conduct photography for fieldwork
PSPGEN002	Use routine workplace communication techniques
MHCMCP012	Take part in a mangrove conservation project
MHCCDR014	Participate in a coastal dunes restoration
MHCCRN006	Take measurements of individual corals
MHCCRN001	Plan a coral nursery restoration project
MHCCRN005	Present information regarding coral and reef restoration
MHCMON004	Perform benthic monitoring
MHCMON001	Survey and report on fish populations
AHCWRK303	Respond to emergencies

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 fieldwork calendar.

ENVIROTECH EDUCATION

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.

ENVIROTECH EDUCATION

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.

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.

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 three 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
- ✔ Conduct terrestrial and marine ecosystem surveys using belt and line transects, quadrats and underwater cameras
- ✔ Understand 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

Career Outcomes

- Hatcheries – Multiple job functions
- Fisheries Monitoring Technician
- Marine Park Ranger Trainee
- Restoration Project Assistant Technician
- Environmental Consultant Assistant
- Junior Marine Field Technician
- Junior Marine Conservation Public Liaison Officer
- Marine and Coastal Data Technician
- Research Assistant

Marine Volunteer Hub & Industry Work Experience

Envirotech's Marine Volunteer Hub offers our students the opportunity to develop their professional work experience, support Australian conservation and restoration efforts, and give back to the community.

Through collaboration with leading marine industry organisations, Envirotech are able to offer a diverse range of volunteer work placement experiences. Professional skill development can be supported through involvement in oyster reef regeneration, seagrass and mangrove surveying, coastal dune restoration, and coral conservation initiatives.

Students can build their professional network, learn from leading innovators in the Australian marine industry, and nuture future employment opportunities.

Some of our partner organisations include:

REEF CHECK AUSTRALIA

HUMPBACKS & HIGHRISES

Ocean CONNECT

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

Coral Sea Foundation

BYRON RANGERS

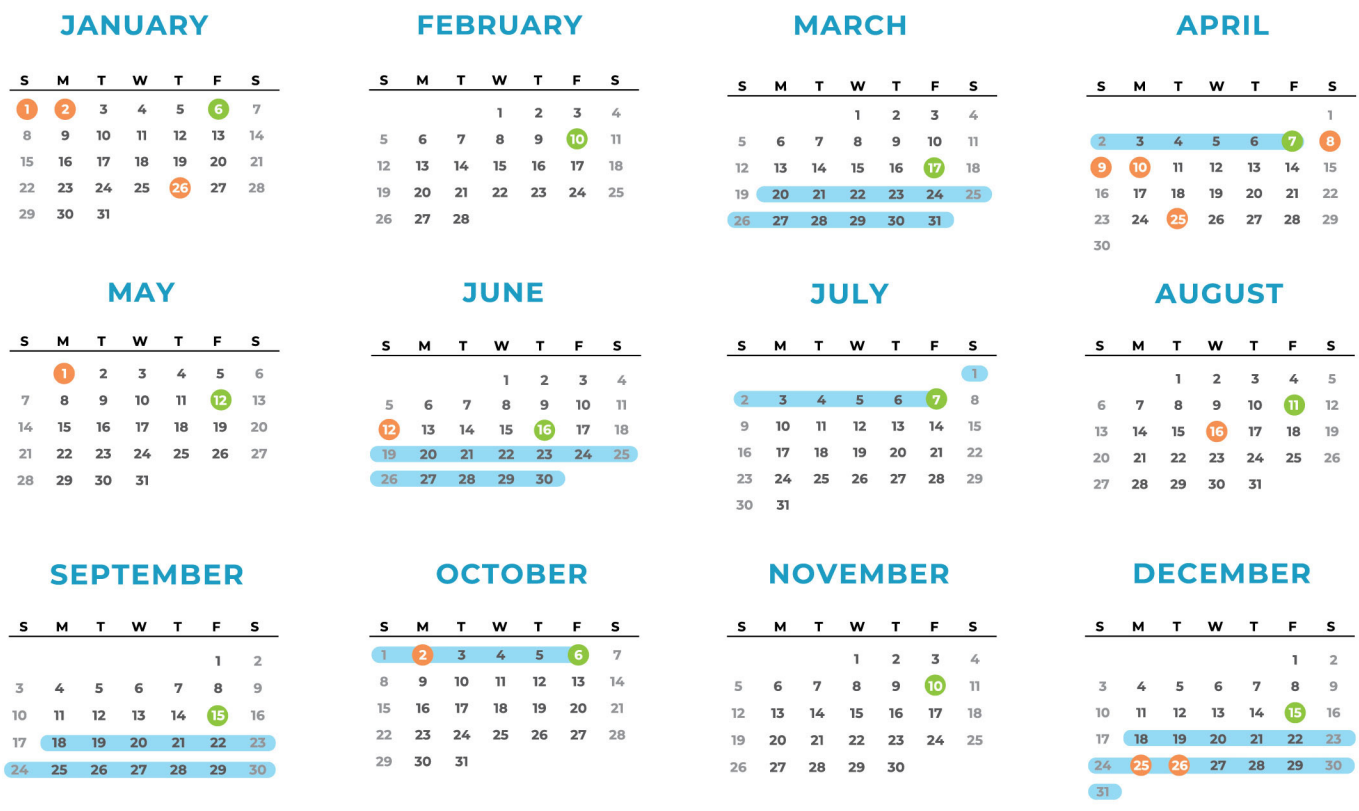
MOONDAREWA INC.

Weekly Timetable

	MON	TUE	WED	THUR	FRI
Morning Class 09:00 - 11:30					
Lunch Class 12:00 to 14:30	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online
Afternoon Class 15:00 - 17:30	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online
Evening Class 18:00 - 20:30	Theory Delivery Part 1 Online	Theory Delivery Part 2 Online	Academic Mentoring Online	Academic Mentoring Online	Academic Mentoring Online

Note: For online mentoring and registration please contact Lyle Cortes - https://calendly.com/lylecortes/30min.

Annual Academic Calendar



Public Holidays | Term Breaks | Intake Dates

About Envirotech

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

Envirotech's VET accreditations are offered to: international, domestic, indigenous, 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 engagement in sustainable and regenerative environmental projects.

Our Marine Team

Melinda de Luna
Co-CEO, Trainer & Assessor

Dr. Tiffany Delport
Marine Expert & Consultant

Prof. Nadav Shashar
Professor & Marine Expert

Dr. Miguel Fortes
International Blue Carbon Expert

Dr. Steven Andrews
Lead Trainer and Assessor

Scott Wallace
Trainer & Assessor

David Lennon
Trainer & Assessor

Glenda Cadigal
Trainer & Assessor

Kane James
Volunteer Hub Coordinator

Cherry Jalover-Par
Academic Support
& Content Developer

Maricar Daquioag
Academic Support
& Content Developer

Lyle John Cortes
Academic Support
& Content Developer

Noeme Fabiosa
Academic Support
& Content Developer

Video Gallery

ENVIROTECH TEAM

Marine Habitat Conservation and Restoration Course Introduction

Artificial Reef Innovations

Australian VET Leadership

United Arab Emirates VET Leadership

Israeli VET Leadership

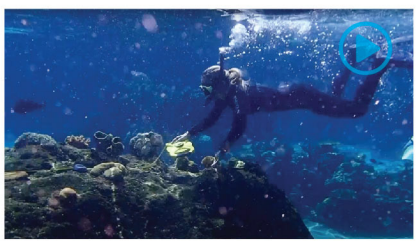
VET in High Schools

ENVIROTECH INSPIRATION

The Future of Our Planet

Mature Age Student Success Story

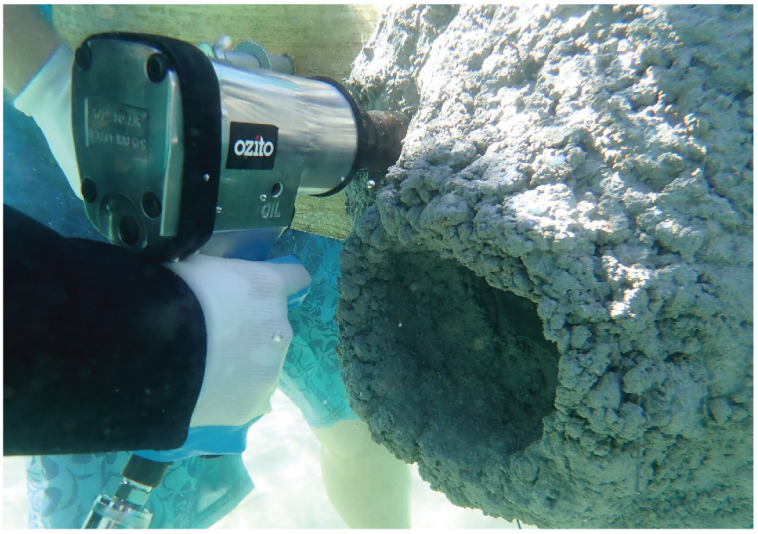
Traditional Custodian Programs

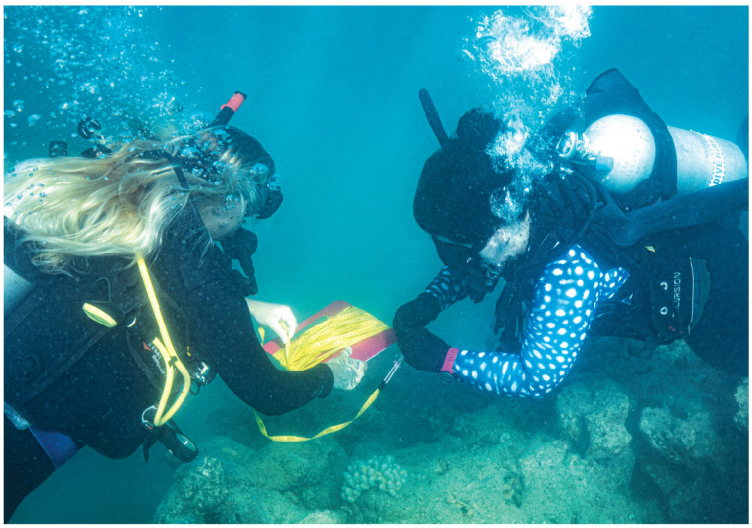


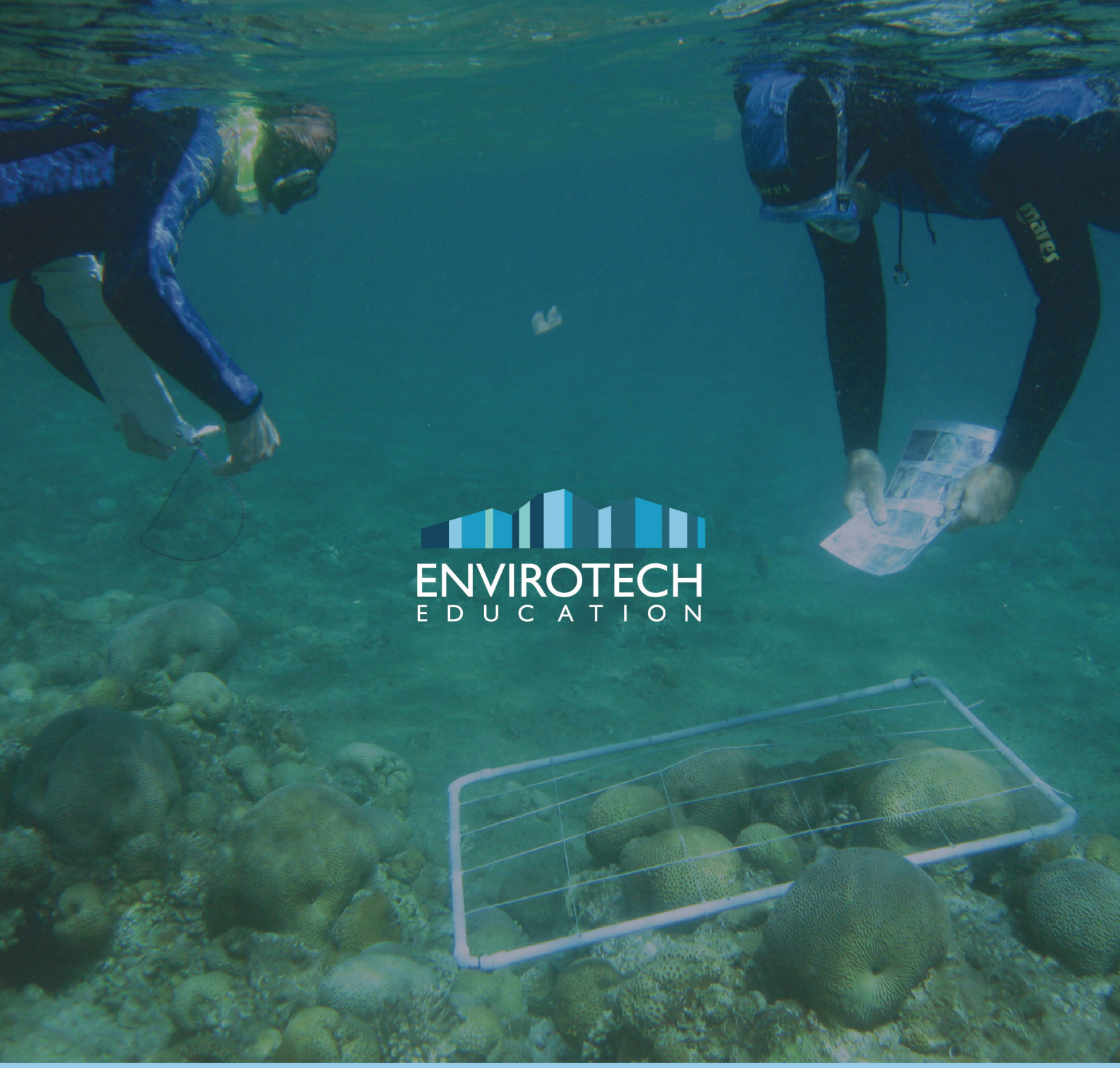
Natural Learning Experience

Envirotech Students in the Field

SCUBA Diving Training


ozito





CONTACT

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

www.envirotech.edu.au

GOLD COAST

62-66 Goodwin Terrace
Burleigh Heads
Queensland, 4220

BYRON BAY

1 Skinners Shoot Rd
Byron Bay NSW 2481

ENVIROTECH EDUCATION PTY LTD

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