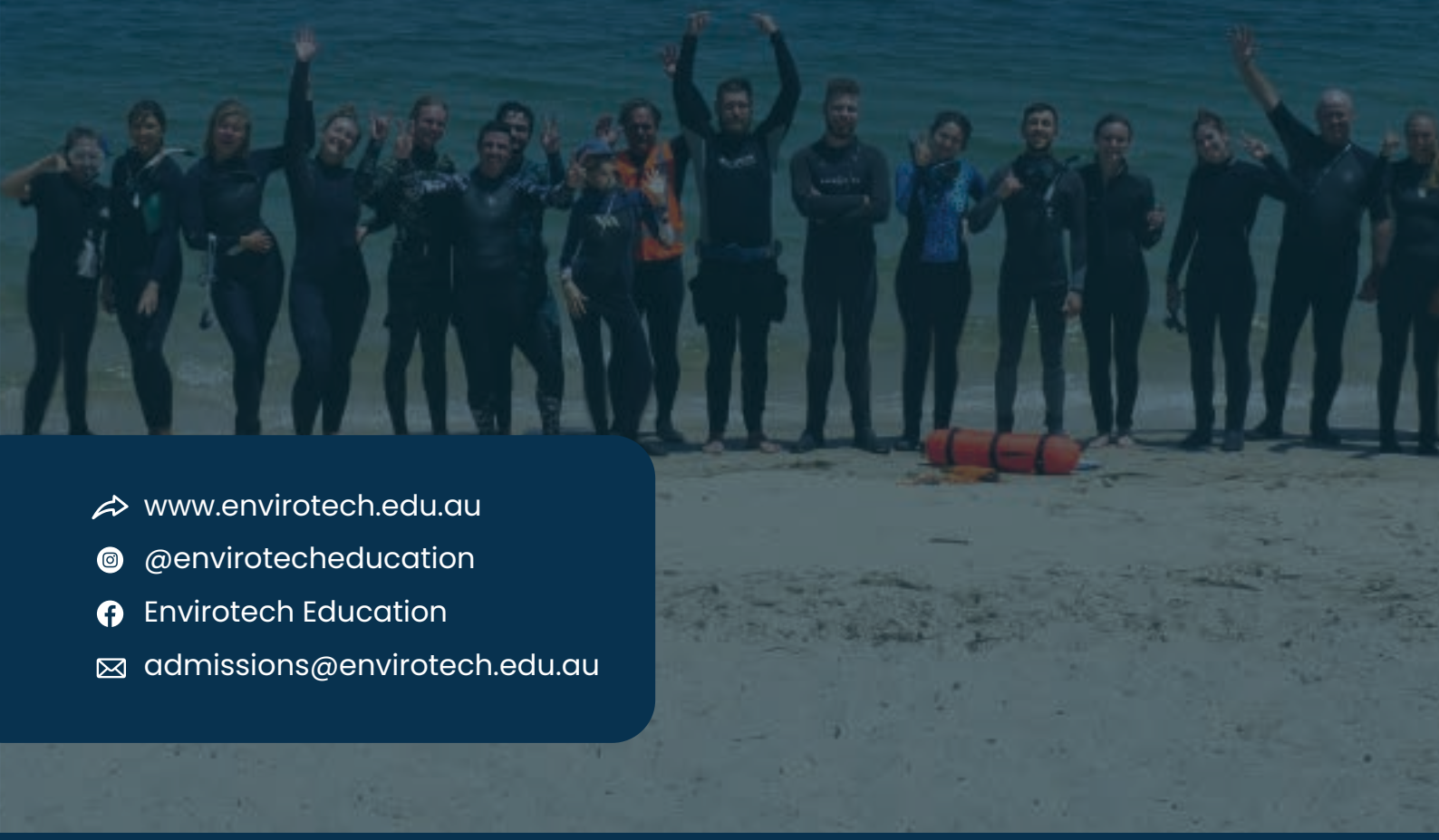
ENVIROTECH
EDUCATION

AHC31421 Certificate III in Conservation and Ecosystem Management CRICOS 111627H
&
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 dual qualifications program offers a unique opportunity to acquire two (2) essential qualifications on Ecosystem Management and Marine Conservation. This comprehensive course empowers students to become proficient in terrestrial, coastal and marine ecosystems.

Embark on a transformative journey that combines the depth of coastal conservation expertise with the vital marine habitat restoration skills needed to protect our planet's precious ecosystems. By joining this program, students can become dedicated professionals committed to sustainable conservation and marine restoration efforts.

AHC31421 Certificate III in Conservation and Ecosystem Management and Ecosystem Management

This qualification provides a foundation in environmental science, sustainable practices and costal and land management techniques. Students will learn the skills and knowledge of diverse field of conservation and gain the skills to protect and preserve our natural environment. Graduates of this course will be engaged in diverse activities, from revitalising degraded sites and renewing ecosystems to safeguarding wildlife and their habitats.

11247NAT Certificate III in Marine Habitat Conservation and Restoration

The world's first Marine Habitat Conservation & Restoration Accredited Certificate in Australia. The Marine Habitat Conservation & Restoration is a one of-its-kind VET accredited course with practical and theoretical activities and vocational placements in both marine conservation and restoration projects.
Graduates of this course will be engaged in the monitoring of marine environments, in manipulation of corals, in activities with the public relating to marine restoration, and in conservation and restoration operations. They will operate monitoring equipment, collect samples, construct marine nurseries, and manipulate corals towards their growth elsewhere.

Envirotech Mentors: 15 Hours/week

Lectures: 5 Hours/week

Vocational Industry Professional (VIP) Placement: 16 Hours/week

- Online Support
- Blended Mode
- Paid/Unpaid WorkPlacement
- 58 weeks
- 30 Units
- Practical Components

Course Units

AHC31421 Certificate III in Conservation & Ecosystem Management Units

AHCECR309	Conduct an ecological and cultural site inspection prior to works
AHCWHS302	Contribute to work health and safety processes
AHCECR301	Maintain native ecosystem areas
AHCECR302	Collect and preserve biological samples
AHCECR307	Read and interpret maps
AHCBIO303	Apply biosecurity measures
AHCPMG307	Apply animal trapping techniques
AHCECR304	Undertake direct seeding
AHCECR303	Implement biological reintroduction works
AHCCHM307	Prepare and apply chemicals to control pest, weeds and diseases
AHCPMG302	Control plant pests, diseases and disorders

10750NAT Certificate III in Marine Habitat Conservation and Restoration Units

MHCENV001	Provide information on coastal marine projects
BSBCMM411	Make presentations
MHCCRN006	Take measurement of individual corals
MHCCRN001	Plan a coral nursery restoration project
MHCCRN005	Present information regarding coral and reef conservation
MHCSRN002	Undertake clam seeding
MHCENV002	Participate in planning marine environmental assessment
PSPGEN096	Use workplace communication strategies
MHCCON001	Plan for environmental conservation and restoration projects
AHCWRK315	Respond to emergencies
MHCMON002	Perform line & belt transects for environmental monitoring
MHCMON003	Install diversity enhancers
MHCMON004	Perform benthic monitoring
MHCMON001	Survey and report on fish population

Shared Units

AHCECR306	Conduct photography for fieldwork
MHCCON002	Use tools to carry out basic tasks in marine conservation work
MHCCON003	Install diversity enhancers
MHCMCP012	Take part in mangrove conservation project
MHCCDR014	Participate in coastal dunes restoration

Skill Sets (Micro Credentials)

Skill Sets 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 in Gold Coast.

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

Ecosystem Management & Marine 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.

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.

Plant Pests, Diseases and Disorders

Students will learn the essential skills and knowledge required to identify, assess and control various pests, diseases and disorders that can affect plants, ensuring their optimal growth and productivity.

Collect and Preserve Biological Samples

Students will learn the techniques for proper specimen identification, collection, and preservation, ensuring the integrity of biological materials for research, analysis, and conservation purposes.

Apply Biosecurity Measures

Students will learn the principles and practices of biosecurity to protect agricultural and natural environments from the introduction and spread of pests, diseases and other biological threats.

Students will be equipped with the knowledge and skills to implement biosecurity protocols, assess risks, and effectively manage potential hazards.

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

- Marine Field Assistant
- Education officer assistant
- Environmental consultant assistant
- Field Technician
- Public liaison assistant in the marine conservation field
- Conservation worker – parks and wildlife
- Earthworks conservation worker
- Ecosystem restoration worker
- Indigenous land management
- Parks and Wildlife services worker
- Marine field assistant
- Environmental Monitoring Assistant
- Coastal Restoration Assistant
- Coral Restoration Assistant

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.

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.

NRMS Northern Rivers Marine Services

CLEAR SEA Fisheries

CLIMATE REVIVE The profitable solution to nature regeneration.

ENVIROTECH CONSULTANCY

CORALZ

Perfect Sea

Thursday Island JUSTICE INC. Domestic Families Violence. Unity in the Community.

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 Ecosystem Management and Marine Team

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

Dr. Steven Andrews
Lead 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

Marine & Sustainability Trainer & Assessor

Marine & Sustainability Trainer & Assessor

Marine & Sustainability Trainer & Assessor

ENVIROTECH EDUCATION

2025 CALENDAR

Courses Intake Dates

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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

FEBRUARY

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MARCH

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APRIL

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27	28	29	30			

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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29	30					

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


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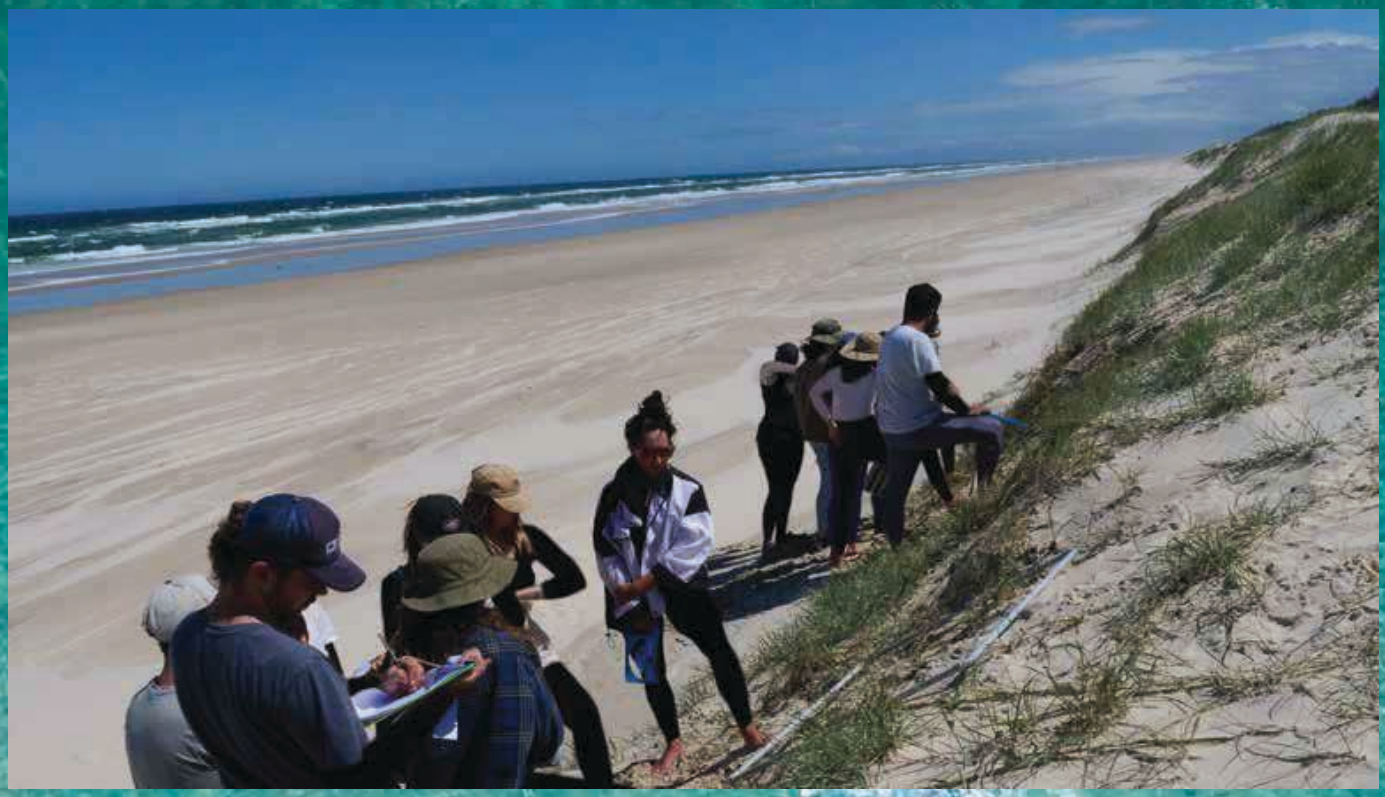

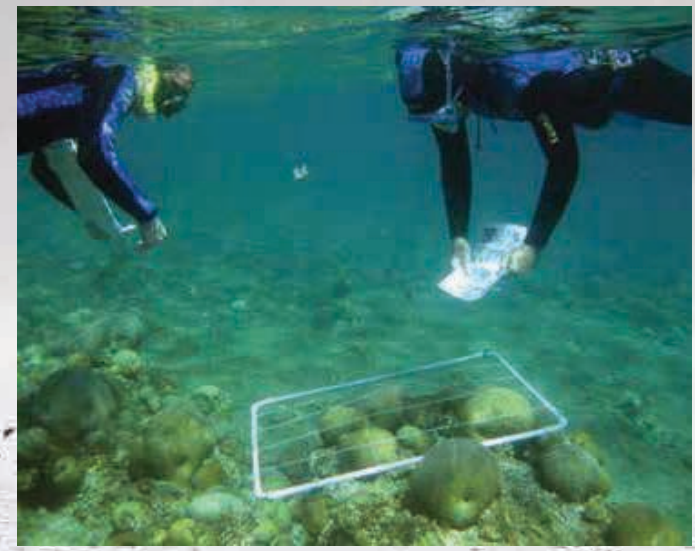

ENVIROTECH
EDUCATION

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Sydney Institute of Marine Science
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