ENVIROTECH
E D U C A T I O N

11078NAT
Certificate IV
in Marine Habitat
Conservation &
Restoration

Course Overview

The Certificate IV in Marine Habitat Conservation and Restoration is designed for trainees pursuing a vocational outcome, delivering a wide range of environmental education activities in new and innovative ways to produce specialised professionals and new employment pathways in marine conservation and restoration.

The vocational education program will provide participants with a range of specialised knowledge and development of skills in marine conservation management and long-term conservation strategy development for blue carbon seascapes and traditional ecosystems of national importance.

The program is carefully designed to meet the varying needs of local industry and coastal environments. The packaging rules will be made flexible to meet the essential needs. Elective units can be selected on the specific environment and skills required to support the local conservation and restoration industry, generating greater employment outcomes.

Globally, the Certificate IV in Marine Habitat Conservation and Restoration accreditation highlights and strengthen Australia's commitment to, and support of several UN Sustainable Development Goals, namely:

- Goal 4: Ensure equal access to quality education
- Goal 8: Promote sustainable employment opportunities
- Goal 13: Take action to combat climate change and its impacts
- Goal 14: Sustainably use the oceans and marine resources

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

22 Units

Practical Components

Course Structure and Units

To achieve this qualification, competency must be demonstrated in 22 units of competency consisting of:

- Five (5) Core units
- Seventeen (17) Elective units

CORE UNITS

NAT11078001	Assemble information about a coastal marine conservation or restoration project
NAT11078002	Design and monitor a marine environmental conservation project
NAT11078003	Design and execute a marine environmental restoration project
NAT11078004	Use tools to carry out tasks in marine conservation work
NAT11078005	Perform benthic marine assessment

ELECTIVE UNITS

NAT11078007	Participate in a coastal resource assessment
NAT11078008	Report and present an environmental assessment
NAT11078010	Monitor coastal and marine water quality according to standards
NAT11078013	Reduce marine pollution from a coastal source
MSS024017	Collect spatial and discrete environmental data
NAT11078021	Maintain a mangrove nursery
NAT11078022	Implement a seagrass conservation project
CUAFIM511	Source funding for projects
AHCECR308	Conduct a site inspection for ecological restoration
AHCWHS402	Maintain workplace health and safety processes
AHCBUS407	Cost a project
AHCECR401	Supervise ecological restoration works
LGACOR007	Conduct community consultations
NAT11078016	Install a coral nursery
NAT11078017	Install and maintain coral nubbins in a nursery
NAT11078018	Transplant coral nubbins from a nursery to a reef
NAT11078032	Install a shellfish reef unit

Qualification Outcomes

This course provides students with the skills and knowledge that contributes to meaningful outcomes like supporting socioeconomic prosperity through creation of employment pathways, development of social entrepreneurship, regeneration and reforestation of Land and Sea country areas of importance to Traditional owners and increasing public awareness of, and accountability for the guardianship of marine habitats of critical importance in carbon sequestration and its value.

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.

- Marine Environmental Assessment
- Marine and Coastal Environmental Monitoring
- Ecosystem Management
- Marine Pollution
- Coral Specialised Skills
- Mangrove Specialised Skills
- Seagrass Specialised Skills
- Coastal Dunes Specialised Skills
- Kelp Forest and Seaweeds Specialised Skills
- Shellfish Specialised Skills
- Marine animal rehabilitation Specialised Skills
- Stranding and rehabilitation Specialised Skill

Marine Environmental Assessment

1. Assemble and deliver information towards a marine environmental assessment according to specifications.

2. Participate in a coastal resource assessment

3. Report and present an environmental assessment.

Marine and Coastal Environmental Monitoring

1. Perform fish monitoring.

2. Monitor coastal and marine water quality according to standards.

3. Measure and monitor physical parameters of a coastal area.

4. Use a drone under supervision for coastal monitoring.

Ecosystem Management

1. Conduct a site inspection for ecological restoration.

2. Supervise ecological restoration works.

3. Implement land and sea management practice.

Marine Pollution

1. Reduce marine pollution from a coastal source.

2. Develop marine waste and sewage pollution management practices.

3. Reduce impact of and clean up localised solid marine pollution.

Coral Specialised Skills

1. Install a coral nursery.

2. Install and maintain coral nubbins in a nursery.

3. Transplant coral nubbins from a nursery to a reef.

Mangrove Specialised Skills

1. Implement a mangrove conservation project.

2. Implement a mangrove restoration project.

3. Maintain a mangrove nursery.

Seagrass Specialised Skills

1. Implement a seagrass conservation project.

2. Implement a seagrass restoration project.

Coastal Dunes Specialised Skills

1. Implement a coastal dunes conservation project.

2. Implement a coastal dunes restoration project.

3. Establish and maintain a nursery for coastal plants and transplant seedlings produced.

Kelp Forest & Seaweeds Specialised Skills

1. Implement a kelp forest conservation project.

2. Implement a kelp forest restoration project.

3. Install a kelp nursery and ocean farm using marine permaculture principles.

Shellfish Specialised Skills

1. Implement a shellfish conservation project.

2. Implement a shellfish seeding project.

3. Install a shellfish reef unit.

4. Implement a pearl oyster seeding restoration project.

Marine Animal Rehabilitation Specialised Skills

1. Participate in breeding and propagation of marine animals.

2. Operate a sea turtle hatchery.

3. Implement and maintain a pearl oyster hatchery and grow out.

Stranding & Rehabilitation Specialised Skills

1. Respond to a marine mammal stranding event and rehabilitation.

2. Respond to a non-mammal marine animal stranding event and rehabilitation.

3. Respond to marine wildlife stranding.

Skills and Knowledge Development

Upon completion of the course participants will be able to:

• Assembly of information and data collection related to coastal marine conservation or restoration projects

• Design of marine habitat conservation and restoration projects

• Monitoring of marine and coastal ecosystems

• Monitoring, management and mitigation of marine pollution events

• Responding to marine animal stranding

• Marine animal rehabilitation including breeding and propagation

• Working as a marine research team leader

• Increasing public awareness of marine habitats and their value

• Increasing public awareness on marine conservation

• Presenting information to the public and providing information to the public displays and other public relation activities

• Using tools to carry out tasks in marine conservation works

Career Outcomes

- Marine Conservation Team Leader
- Coastal Ecosystem Restoration Specialist
- Marine Pollution Response Coordinator
- Environmental Monitoring Technician
- Marine Animal Rehabilitation Officer
- Project Team Leader for Marine Restoration Projects
- Community Engagement Coordinator
- Marine Research Assistant
- Employment in NGOs on marine conservation
- Roles in government agencies – environmental and marine parks
- Engagement in academic and research institutions
- Involvement in eco-tourism ventures promoting sustaintable interaction with marine environment

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 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

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

Ryan Goldhawk
Marine & Sustainability Trainer & Assessor

Cassia Duarte
Marine & Sustainability Trainer & Assessor

2026 CALENDAR

ENVIROTECH EDUCATION

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,   26 – Australia Day

FEBRUARY

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

MARCH

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				

APRIL

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
27	26	28	29	30		

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

MAY

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						

4 – Labour Day (QLD)

JUNE

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				

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

JULY

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	

AUGUST

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					

12 – Royal Queensland Show (QLD)

SEPTEMBER

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			

OCTOBER

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

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

NOVEMBER

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					

DECEMBER

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		

25 – Christmas Day   26 – Boxing Day

Public Holiday   **Term Break**   **Intake Date**