



AHC40924 Certificate IV in Conservation and Ecosystem Management

Develop sustainable initiatives and explore career opportunities in industry.

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Course Overview

This nationally recognised qualification is comprehensive and equips individuals with advanced practical skills and theoretical knowledge for specialised work in conservation and environmental management. This is designed for those seeking supervisory or technical roles in ecosystem protection, land management, and environmental conservation.

The course focuses on developing expertise in key areas including conservation project supervision, Indigenous land management, ecosystem monitoring, pest control strategies, and fire management.

Through a combination of practical training and theoretical study, students learn to plan and implement conservation strategies, supervise ecological restoration projects, and manage environmental risks while ensuring workplace safety and regulatory compliance.



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



12
Units



Practical
Components

Course Units

To achieve this qualification, competency must be demonstrated in:
12 Units of Competency: 2 Core Unit & 10 Elective Units.

CORE

CHCCDE018 Develop and implement community programs

MSL913004 Plan and conduct laboratory/field work

AHCLPW408 Implement land and sea management practices

ELECTIVES

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



Skills and Knowledge Development

Upon completion of the course participants will be able to:

- Expertise in conducting detailed site inspections, ecological surveys, and biodiversity monitoring .
- Advanced skills in habitat rehabilitation, species protection, and ecosystem restoration techniques.
- Competence in conducting field operations including site preparation, equipment handling, and implementation of conservation protocols.
- Lead conservation initiatives through effective project planning, resource allocation, and team coordination.
- Capabilities in team leadership, staff supervision, and performance management within conservation contexts.
- Master the implementation of environmental regulations, Workplace safety standards, and conservation practices.
- Develop comprehensive understanding of Ecosystem functions, ecological processes, and biodiversity principles.
- Building through knowledge of environmental Legislation, regulatory requirements, and industry standards governing conservation work.
- Extensive knowledge of contemporary Conservation strategies, restoration methodologies, and land management approaches.
- Advanced problem-solving abilities for complex environmental challenges through critical analysis and evidence-based decision making.
- Expertise in professional communication across diverse stakeholders' groups, including technical report writing, project documentation, and presentation skills.
- Professional leadership capabilities for driving conservation initiatives and managing environmental projects.
- Building industry networks, maintaining stakeholder relationships, and fostering community partnerships.

Qualification Outcomes

This course prepares graduates for specialised roles in environmental conservation and land management sectors, with a focus on supervisory and technical positions.

The qualification enables professionals to work across diverse settings including national parks, conservation organisations, Indigenous ranger programs, and environmental consultancies.

Career Outcomes

- National Parks and Wildlife Officer
- Conservation Project Supervisor
- Senior Indigenous Ranger
- Environmental Protection Officer
- Biodiversity Program Manager
- Land Management Coordinator
- Park Ranger Team Leader
- Environmental Restoration Specialist
- Conservation Field Operations Supervisor
- Ecological Monitoring Supervisor
- Environmental Education Coordinator

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 Environmental Management & Sustainability Team



Melinda de Luna
Head of Faculty
Marine, Aquaculture and
Sustainability



Dr. Steven Andrews, PhD
Lead Trainer & Assessor,
Marine Ecology and
Ecosystem Management



Dr. Richard Skinner, PhD
Trainer & Assessor
Sustainability and
Environmental Health



Khory Hancock
Trainer & Assessor,
Sustainability Carbon and
land management



Iain Watt, MSc
Trainer & Assessor
Marine Environmental
Protection



Dr. Kuntal Goswami, PhD
Sustainable Business
Consultant, Trainer & Assessor



Dr. Jayant Keskar, PhD
Environmental Sustainability
Trainer & Assessor



Dr. Maria Fontes, PhD
Trainer & Assessor
Marine and Ecosystem
Management



Danica Solis, MSc
Trainer & Assessor,
Environmental Science
and Ecosystem Management



Glenda Manalo-Cadigal, MSc
Trainer & Assessor
Marine and Sustainability



Cherry Jalover-Par
Assessor Marine and
Environmental Planning



Daria Sobczak
Environmental Sustainability
Consultant



Francisca Marie Jose, MSc
Academic Support and Developer
Marine, Aquaculture and
Tropical Ecology



Paul Vincent Petalcorin
Academic Support
and Developer Marine,
Aquaculture and Ecology



Roberto Lampayan
Trainer & Assessor
Marine Biology and
Aquaculture



Maricar Daquiaog
Trainer & Assessor
Marine Biology and
Aquaculture



Lyle Cortes
Trainer & Assessor
Biology and Fish
Husbandry

JANUARY

S	M	T	W	T	F	S
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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

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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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ENVIROTECH EDUCATION

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