

Environmental Marine, Ecosystem Management & Sustainability Course Catalogue



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Environmental Technical Vocational Educational Training (TVET) Accreditations

11246NAT

Certificate II in Marine Habitat Conservation & Restoration

11247NAT

Certificate III in Marine Habitat Conservation & Restoration

11078NAT CRICOS 113609E

Certificate IV in Marine Habitat Conservation and Restoration

11087NAT CRICOS 113610A

Diploma of Marine Habitat Conservation and Restoration

AHC51120 CRICOS 111629F

Diploma of Conservation and Ecosystem Management

MSS50122 CRICOS 112538A

Diploma of Sustainable Operations

Dual – AHC21020 & 11246NAT

Certificate II in Conservation and Ecosystem Management &
Certificate II in Marine Habitat Conservation and Restoration

Dual – AHC31424 & 11247NAT

Certificate III in Conservation and Ecosystem Management &
Certificate III in Marine Habitat Conservation and Restoration

Dual – SFI30119 & 11247NAT

Certificate III in Aquaculture &
Certificate III in Marine Habitat Conservation and Restoration

Dual – AHC40924 & 11078NAT

Certificate IV in Conservation & Ecosystem Management
Certificate IV in Marine Habitat Conservation & Restoration

Dual – AHC51120 & 11087NAT

Diploma Of Conservation & Ecosystem Management
Diploma of Marine Habitat Conservation & Restoration

The program aims to provide participants with the skills and knowledge they need to contribute to the protection, wise use and restoration of marine ecosystems.

Certificate II in Marine Habitat Conservation & Restoration

11246NAT CRICOS 114898E

Course Units

MHCKMR001	Apply basic knowledge of marine restoration to conservation projects
MHCPEA002	Participate in environmental assessment
AHCECR306	Conduct photography for fieldwork
MHCPPQ004	Prepare photo quadrates
AHCWHS201	Participate in work health and safety processes
MHCCRB003	Conduct an onsite information session on coral reef biology
MHCTEM009	Participate in using line and belt transects for environmental
MHCSEM010	Conduct quadrat sampling for environmental monitoring
MHCPFM011	Participate in fish monitoring
MHCCDR014	Participate in a coastal dune restoration
MHCMCP012	Take part in a mangrove conservation project
MHCMRP013	Participate in a mangrove restoration project
CUAEVP201	Assist with the staging of public activities and events
MHCCRN005	Present information regarding coral and reef conservation
MHCCRN006	Take measurements of individual corals

Career Outcomes

- Marine Field Assistant
- Education officer assistant
- Environmental consultant assistant
- Field Technician
- Coastal restoration officer
- Public liaison assistant in the marine conservation field

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 offers 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

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.

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.

Certificate III in Marine Habitat Conservation & Restoration

11247NAT CRICOS 114899D

Course 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
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
PSPGEN096	Use workplace communication strategies
AHCWRK315	Respond to emergencies
NAT11246014	Participate in a coastal dunes restoration

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

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 offers 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

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.

Graduates will develop the skills and knowledge to assess and restore marine habitats, manage pollution, and conduct environmental monitoring. This course prepares students to lead conservation projects, engage communities, and support biodiversity, paving the waters for careers in government, environmental organisations, and research institutions.

Certificate IV in Marine Habitat Conservation & Restoration

11078NAT CRICOS 113609E

Course 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

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 sustainable interactions with marine environments

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 offers 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 Skills

The course is a comprehensive program designed to equip individuals with advanced skills and knowledge in marine conservation and restoration. The course focuses in restoring critical marine habitats, managing marine pollution and implementing sustainability initiatives.

Diploma of Marine Habitat Conservation and Restoration

1087NAT CRICOS 113610A

Course Units

NAT11087001	Manage information about a coastal marine project
NAT11087002	Design, present and execute a marine environmental conservation project
NAT11087003	Design, present and execute a marine environmental restoration project
NAT11087004	Design and manage biodiversity enhancement of coastal structures
NAT11087005	Use tools to carry out advanced tasks in marine conservation work
NAT11087006	Plan and execute a benthic marine assessment
AHCWHS501	Manage workplace health and safety processes
NAT11087007	Manage information about a marine environmental assessment
NAT11087008	Conduct a coastal resource assessment
NAT11087009	Process and analyse data of an environmental assessment project
NAT11087010	Use drones for coastal monitoring
AHCECR502	Conduct biological surveys
AHCNRM510	Develop water quality monitoring program
NAT11087022	Plan and execute a coral nursery
NAT11087023	Plan and execute a coral transplantation project
NAT11087037	Measure, analyse and report the carbon footprint of a project
NAT11087038	Measure, analyse and report the carbon offset created by an environmental conservation or restoration project
NAT11087039	Plan steps to reduce the carbon footprint of a project
AHCNRM509	Develop a coastal rehabilitation strategy
AHCECR504	Manage implementation of an ecological restoration programs
AHCOCM303	Follow Aboriginal and/or Torres Strait Islander cultural protocols
AHCCSW501	Survey and report on Aboriginal and/or Torres Strait Islander cultural sites

Career Outcomes

- Marine Environmental Project Manager
- Marine Pollution Response Coordinator
- Coastal Ecosystem Restoration Specialist
- Marine Spatial Planning Consultant
- Marine Research Specialist
- Hatchery and Aquaculture Manager
- Sustainability and Carbon Management Specialist
- Community Engagement Coordinator
- Marine Mammal Rehabilitation Leader
- Trainer or Educator in Marine Conservation

Industry Employment Sectors

- Government agencies managing parks and conservation zones
- Environmental consulting firms
- NGOs focused on marine biodiversity and restoration
- Research institution conducting marine ecological studies
- Eco-tourism companies promoting sustainable interaction with marine habitats

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 offers specialised accredited skill sets from the program start date to advance our students' quality employment options.

- Marine Environmental Assessment
- Marine and Coastal Environmental Monitoring
- Marine/Coastal Spatial
- Marine Pollution
- Kelp Forest and Seaweeds Specialised Skills
- Coral Specialised Skills
- Seagrass Specialised Skills
- Coastal Dunes Specialised Skills
- Shellfish Specialised Skills
- Blue Carbon Specialised Skills
- Marine Animal Rehabilitation Specialised Skills
- Breeding and Propagation of Marine Animals Specialised Skills
- Marine and coastal project management
- Sustainable Sea Country Operation

Diploma of Conservation and Ecosystem Management

AHC51120 CRICOS 111629F

This diploma qualification equips learners with the skills required for professional roles in ecosystem restoration, land management, and blue and green ecosystems conservation. The course covers areas such as Indigenous land management, wildlife conservation, and marine and coastal management.

Course Units

AHCOCM303	Follow Aboriginal and/or Torres Strait Islander cultural protocols
AHCCSW501*	Survey and report on Aboriginal and/or Torres Strait Islander cultural sites
AHCECR502	Conduct biological surveys
AHCECR503	Design an ecological restoration project
AHCECR504	Manage implementation of ecological restoration programs
AHCOCM504	Develop strategies for on Country Management
AHCNRM509	Develop a coastal rehabilitation strategy
AHCNRM510	Develop water quality monitoring program
NAT11087007	Manage information about a marine environmental assessment
NAT11087008	Conduct a coastal resource assessment

Career Outcomes

- Ecosystem Restoration Specialists
- Parks Ranger or Parks and Wildlife Manager
- Indigenous Land and Sea Management Officer
- Conservation Project Manager
- Environmental Consultant
- Natural Resource Manager

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 offers specialised accredited skill sets from the program start date to advance our students' quality employment options.

- AHCSS00117 Introduction to Conservation and Ecosystem Management Skill Set

Qualification Outcomes

Graduates of this diploma course will be equipped to perform operational, managerial, and technical roles in conservation and land management. They will acquire specialised skills in areas like conservation works, park administration, and water management, enabling them to contribute to various environmental and ecosystem management projects in diverse settings.

Diploma of Sustainable Operations

MSS50122 CRICOS 112538A

By studying Diploma of Sustainable Operations, you will learn how to identify sustainability issues within different industries, and apply your knowledge to improve sustainability performance (economic, social, and environmental performance) of any business operation.

Course Units

CORE

MSS015042	Measure and report carbon footprint
MSS015043	Develop strategies for more sustainable use of resources
MSS015046	Develop a business case for sustainability improvements
MSS015047	Develop strategic sustainability reports
MSS015048	Implement sustainability plans

ELECTIVE

MSS015040	Conduct a sustainability energy audit
MSS017021	Set strategic directions for circularity
MSS014018	Apply circularity design thinking to all work streams
MSS015050	Conduct an emission audit
MSS015045	Develop required sustainability reports
MSS015049	Conduct a sustainable water use audit
MSS015044	Design sustainable product or process
MSMENV672	Develop workplace policy and procedures for environmental sustainability
PMASUP520	Review procedures to minimise environmental impact of process
BSBPMG536	Manage Project Risk
TLIX0015X	Manage fundamental aspects of supply chains

Career Outcomes

- Sustainability Advisor
- Sustainable Operations Supervisor
- Sustainable Operations Specialist
- Sustainability Manager
- Environmental Officer
- Sustainability Officer
- Sustainability Coordinator

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 offers specialised accredited skill sets from the program start date to advance our students' quality employment options.

- MSSSS00020 Apply 5S
- MSSSS00016 Energy Management Skill Set
- MSSSS00028 Lead Sustainability Improvement Skill Set
- MSSSS00029 Contribute to sustainable operations Skill Set
- MSSSS00030 Determine energy use Skill Set

Qualification Outcomes

This course guides students in the development of an ecologically sustainable perspective covering foundations of economic, social, and environmental sustainability performance. Following the course, students will be equipped with the skills required to support implementation of sustainable practices and policies in the workplace.

ENJOY emerging careers of passion.
STUDY AND BE PART OF the regional conservation, restoration, and wise use of marine and coastal ecosystems. **WORK WITH PROFESSIONAL** environmental industries and take part in a conservation and restoration traineeship.

DUAL CERTIFICATES

Certificate II in Conservation and Ecosystem Management & Certificate II in Marine Habitat Conservation and Restoration

AHC21020 CRICOS 111628G & 11246NAT CRICOS 114898E

Course Units

AHC21020 Certificate II in Conservation & Ecosystem Management Units

AHCECR202	Maintain wildlife habitat refuges
AHCWRK209	Participate in environmentally sustainable work practices
AHCECR203	Perform basic ecological restoration works
AHCFAU202	Recognise fauna
AHCILM202	Observe and report plants or animals
AHCLPW201	Operate handheld GPS device
AHPCPM204	Recognise plants
AHCPMG201	Treat weeds
AHCWRK202	Observe environmental work practices
AHCCHM201	Apply chemicals under supervision
AHCLSC205	Install tree protection devices

10749NAT Certificate II in Marine Habitat Conservation and Restoration Units

AHCECR306	Conduct Photography for fieldwork
MHCKMR001	Apply basic knowledge of marine restoration to conservation projects
MHCPPQ004	Prepare photo quadrats
MHCPFM011	Participate in fish monitoring
MHCMCP012	Take part in a mangrove conservation project
MHCMRP013	Participate in a mangrove restoration project
MHCCDR014	Participate in a coastal dune restoration project
MHCCRN006	Take measurement of individual corals
MHCCRN005	Present information regarding coral and reef conservation
MHCCRB003	Conduct an onsite information session on coral reef biology
CUAVEP211	Assist with the staging of public activities and events

Shared Units

AHCWHS201	Participate in work health and safety processes*
MHCPEA002	Participate in environmental assessment
MHCTEM009	Participate in using line and belt transects for environmental monitoring
MHCSEM010	Conduct quadrat sampling for environmental monitoring

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 offers 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

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

ENJOY emerging careers of passion.
STUDY AND BE PART OF the regional conservation, restoration, and wise use of marine and coastal ecosystems. **WORK WITH PROFESSIONAL** environmental industries and take part in a conservation and restoration traineeship.

DUAL CERTIFICATES

Certificate III in Conservation and Ecosystem Management & Certificate III in Marine Habitat Conservation and Restoration

AHC31424 CRICOS 116049H & 11247NAT CRICOS 114899D

Course Units

AHC31421 Certificate III in Conservation & Ecosystem Management Units

AHCECR309	Conduct an ecological and cultural site inspection prior to works
AHCWHS301	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

11247NAT Certificate III in Marine Habitat Conservation and Restoration Units

MHCENV001	Provide information on coastal marine projects
BSBCM411	Make presentations
MHCCRN006	Take measurement of individual corals
MHCCRN001	Plan a coral nursery restoration project
MHCCRN005	Present information regarding coral and reef conservation
MHCSR002	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 offers 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

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

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

DUAL CERTIFICATES

Certificate III in Aquaculture & Certificate III in Marine Habitat Conservation and Restoration

SFI30119 CRICOS 110321A & 11247NAT CRICOS 114899D

Course 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
SFIBIO301	Identify and report signs of aquatic disease or pests
SFIWHS301	Contribute to workplace health and safety processes
SFIXSI201	Work effectively in the seafood industry
BSBCMM411	Make presentations
MHCSR002	Undertake clam seeding
AHCECR306	Conduct photography for fieldwork
PSPGEN019	Use workplace communication strategies
MHCMCP012	Take part in a mangrove conservation project
MHCCDR014	Participate in a coastal dunes' restoration project
MHCCRN006	Take measurement of individual corals
MHCCRN005	Present information regarding coral and reef restoration
MHCCRN001	Construct and deploy a unit of an oyster reef
AHCWRK303	Respond to emergencies
MHCMON001	Survey and report on fish populations
AHCWRK303	Respond to emergencies
AHCNAR302	Collect and preserve biological samples
SFIAQU304	Maintain water quality and environmental monitoring
SFIAQU306	Monitor production and maintain algal or live-feed cultures
SFIAQU407	Coordinate sustainable aquacultural practices
SFIAQU213	Use waders safely in an aquatic environments
SFIEMS201	Participate in environmentally sustainable work practice
SFIPRO203	Shuck molluscs
SFIXSI101	Apply basic seafood handling and safety practices
SFIXSI102	Communicate in the seafood industry

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

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 offers specialised accredited skill sets from the program start date to advance our students' quality employment options.

- SFISS00016 Aquaculture Chemical Skill Set
- SFISS00017 Basic Aquatic Biosecurity Skill Set
- SFISS00018 Aquatic Biosecurity Skill Set
- SFISS00022 Fish Processor Induction Skill Set
- SFISS00029 Aquatic Technology Induction Skill Set
- Monitoring of marine communities
- Coral reef restoration
- Environmental assessment of marine/coastal habitats
- Mangrove conservation and restoration
- Oysters and clams' beds restoration

The vocational education program focuses on safeguarding marine biodiversity or managing coastal ecosystems. These programs equip students with the expertise to address today's pressing environmental challenges while fostering sustainable futures.

DUAL CERTIFICATES

Certificate IV in Conservation and Ecosystem Management & Certificate IV in Marine Habitat Conservation and Restoration

AHC40924 CRICOS 111630B & 11078NAT CRICOS 113609E

Course Units

11078NAT Certificate IV in Marine Habitat Conservation and Restoration

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
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

AHC40924 Certificate IV in Conservation and Ecosystem Management

CHCCDE018	Develop and implement community programs
MSL913004	Plan and conduct laboratory/field work
AHCLPW408	Implement land and sea management practices

SHARED UNITS

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

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 offers 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 Skills

Career Outcomes

- Marine Conservation Team Leader
- Coastal Ecosystem Restoration Specialist
- Marine Pollution Response Coordinator
- Environmental Monitoring Technicians
- 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 sustainable interactions with marine environment

The Dual Qualification is an advanced program designed to equip individuals with the expertise to restore critical marine habitats, manage pollution, and implement sustainability initiatives while addressing land and ecosystem conservation. Integrating marine and terrestrial ecosystem management, the course covers Indigenous land stewardship, biodiversity conservation, wildlife protection, and pollution mitigation

DUAL CERTIFICATES

Diploma in Conservation and Ecosystem Management & Diploma in Marine Habitat Conservation and Restoration

AHC51120 CRICOS 111629F & 11087NAT CRICOS 113610A

Course Units

11087NAT Diploma of Marine Habitat Conservation and Restoration Units

NAT11087001	Manage information about a coastal marine project
NAT11087002	Design, present and execute a marine environmental conservation project
NAT11087003	Design, present and execute a marine environmental restoration project
NAT11087004	Design and manage biodiversity enhancement of coastal structures
NAT11087005	Use tools to carry out advanced tasks in marine conservation work
NAT11087006	Plan and execute a benthic marine assessment
AHCWHS501	Manage workplace health and safety processes
NAT11087009	Process and analyse data of an environmental assessment project
NAT11087010	Use drones for coastal monitoring
NAT11087022	Plan and execute a coral nursery
NAT11087023	Plan and execute a coral transplantation project
NAT11087037	Measure, analyse and report the carbon footprint of a project
NAT11087038	Measure, analyse and report the carbon offset created by an environmental conservation or restoration project
NAT11087039	Plan steps to reduce the carbon footprint of a project

Shared units

NAT11087007	Manage information about a marine environmental assessment
NAT11087008	Conduct a coastal resource assessment
AHCCOCM303	Follow Aboriginal and/or Torres Strait Islander cultural protocols
AHCCSW501*	Survey and report on Aboriginal and/or Torres Strait Islander cultural sites
AHCECR502	Conduct biological surveys
AHCECR504	Manage implementation of an ecological restoration programs
AHCNRM509	Develop a coastal rehabilitation strategy
AHCNRM510	Develop water quality monitoring program

AHC501120 Diploma of Conservation and Ecosystem Management Units

AHCECR503	Design an ecological restoration project
AHCCOCM504	Develop strategies for on Country Management

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
- Marine/Coastal Spatial
- Marine Pollution
- Kelp Forest and Seaweeds Specialised Skills
- Coral Specialised Skills
- Seagrass Specialised Skills
- Coastal Dunes Specialised Skills

- Shellfish Specialised Skills
- Blue Carbon Specialised Skills
- Marine Animal Rehabilitation Specialised Skills
- Breeding and Propagation of Marine Animals Specialised Skills
- Marine and Coastal Project Management
- Sustainable Sea Country Operations
- AHCSS00117 Introduction to Conservation and Ecosystem Management Skill Set

Career Outcomes

- Marine Environmental Project Manager
- Marine Pollution Response Coordinator
- Coastal Ecosystem Restoration Specialist
- Marine Spatial Planning Consultant
- Marine Research Specialist
- Hatchery and Aquaculture Manager
- Sustainability and Carbon Management Specialist
- Community Engagement Coordinator
- Marine Mammal Rehabilitation Leader
- Trainer or Educator in Marine Conservation
- Ecosystem Restoration Specialists
- Park Ranger or Parks and Wildlife Manager
- Indigenous Land and Sea Management Officer
- Conservation Project Manager
- Environmental Consultant
- Natural Resource Manager

Industry Employment Sectors

- Government agencies managing parks and conservation zones
- Environmental consulting firms
- NGOs focused on marine biodiversity and restoration
- Research institution conducting marine ecological studies
- Eco-tourism companies promoting sustainable interaction with marine habitats

