

## Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package <b>Version 0.0</b> .
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 6.0.

AHC314XX	Certificate III in Conservation and Ecosystem Management
<p><b>Qualification Description</b></p> <p>This qualification provides the skills and theoretical and practical knowledge for work or further learning in the conservation and ecosystem management industry. The qualification provides for work roles encompassing a broad range of skills, or can be focussed on one or more specialisations, including:</p> <ul style="list-style-type: none"> <li>• Indigenous land management</li> <li>• Ecological restoration</li> <li>• Land, parks and wildlife management</li> <li>• Pest controller</li> <li>• Conservation earthworks</li> <li>• Marine operations</li> <li>• Fire management</li> <li>• Mined land rehabilitation</li> </ul> <p>Individuals with this qualification perform a range of conservation and ecosystem management activities including, site restoration, rehabilitation and renewal and management of the rural and natural landscapes, degraded sites and marine environments. They contribute to the preservation and maintenance of wildlife and their habitat in the natural ecosystem, parks and reserves. Activities frequently involve working with and preservation of indigenous culture and heritage resources.</p> <p>No licensing, legislative or certification requirements apply to this qualification at the time of publication.</p>	
<p><b>Entry Requirements</b></p> <p>There are no entry requirements for this qualification.</p>	

<p><b>Packaging Rules</b></p> <p>To achieve this qualification, competency must be demonstrated in:</p> <ul style="list-style-type: none"> <li>• 16 units of competency: <ul style="list-style-type: none"> <li>• 2 core units plus</li> <li>• 14 elective units</li> </ul> </li> </ul> <p>Elective units must ensure the integrity of the qualification Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome. The electives are to be chosen as follows:</p> <ul style="list-style-type: none"> <li>• at least 6 must be selected from any of the groups A, B, C, D, E, F, G and/or H</li> <li>• up to 6 from Group I</li> <li>• up to 4 units may be selected from any currently endorsed Training Package or accredited course.</li> </ul> <p>Any combination of electives that meets the packaging rules can be selected for the award of the <i>Certificate III in Conservation and Land Management</i>. Where appropriate, electives may be packaged to provide a qualification with a specialisation area as follows:</p> <ul style="list-style-type: none"> <li>• at least 6 electives from Group A must be selected for the award of the <i>Certificate III in Conservation and Land Management (Indigenous land management)</i></li> <li>• at least 6 electives from Group B must be selected for the award of the <i>Certificate III in Conservation and Land Management (Ecological restoration)</i></li> </ul>
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- at least 6 electives from Group C must be selected for the award of the *Certificate III in Conservation and Land Management (Land parks and wildlife)*
- at least 6 electives from Group D must be selected for the award of the *Certificate III in Conservation and Land Management (Conservation earthworks)*
- at least 6 electives from Group E must be selected for the award of the *Certificate III in Conservation and Land Management (Pest controller)*
- at least 6 electives from Group F must be selected for the award of the *Certificate III in Conservation and Land Management (Marine)*
- at least 6 electives from Group G must be selected for the award of the *Certificate III in Conservation and Land Management (Fire)*
- at least 6 electives from Group H must be selected for the award of the *Certificate III in Conservation and Land Management (Mined Land Rehabilitation)*

Note: If more than one specialisation is completed the award of the qualification would read, for example, *Certificate III in Conservation and Land Management (Indigenous land management and Conservation earthworks)*.

### Core Units

AHCWHS301	Contribute to work health and safety processes
AHCECR309	Conduct an ecological and cultural site inspection prior to works

### Elective Units

An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

#### Group A: Indigenous Land Management

AHCECR301	Maintain native ecosystem areas
AHCFIR301*	Undertake burning for fuel, ecological and cultural resource management
AHCILM302	Provide appropriate information on cultural knowledge
AHCILM305	Work with an Aboriginal Community or organisation
AHCILM306	Follow Aboriginal cultural protocols
AHCILM307*	Implement Aboriginal cultural burning practices
AHCILM308	Identify traditional customs and land rights for an Indigenous Community
AHCWRK305	Coordinate work site activities
AHCWRK312	Operate in isolated and remote situations
SITGDE001	Interpret aspects of local Australian Indigenous culture

#### Group B: Ecological Restoration

AHCECR301	Maintain native ecosystem areas
AHCECR302	Collect and preserve biological samples
AHCECR304	Undertake direct seeding
AHCECR305	Collect native seed
AHCECR307	Read and interpret maps
AHCECR310	Implement assisted regeneration works
AHCECR311	Implement ecosystem reconstruction works
AHCLPW302	Implement a biodiversity monitoring plan
AHCPCM303	Identify plant specimens
AHCPCM306	Provide information on plants and their culture

AHCPMG301	Control weeds
AHCPMG302	Control plant pests, diseases and disorders
AHCSAW202	Recognise landforms and soil types

**Group C: Lands, Parks and Wildlife**

AHCECR301	Maintain native ecosystem areas
AHCECR307	Read and interpret maps
AHCFAU302	Identify fauna in the field
AHCINF301	Implement property improvement, construction and repair
AHCINF303	Plan and construct conventional fencing
AHCLPW310	Supervise park visitor activities
AHCLPW302	Implement a biodiversity monitoring plan
AHCLPW311	Construct access tracks
AHCLPW312	Carry out inspection of designated area
AHCLPW308	Coordinate and report on data collection
AHCPCM303	Identify plant specimens
AHCWRK305	Coordinate work site activities
AHCWRK309	Apply environmentally sustainable work practices
FWPCOT3202	Navigate in remote or trackless areas

**Group D: Conservation Earth Works**

AHCBIO303	Apply biosecurity measures
AHCLPW311	Construct access tracks
AHCMOM302	Perform machinery maintenance
AHCMOM304	Operate machinery and equipment
AHCMOM314	Transport machinery
AHCPCM201	Recognise plants
AHCSAW202	Recognise landforms and soil types
AHCSAW303	Construct conservation earthworks
AHCSAW304	Implement erosion and sediment control measures
AHCSAW402	Set out conservation earthworks
AHCWRK311	Conduct site inspections
FWPCOT3258	Comply with soil and water protection

**Group E Pest Controller**

AHCPMG301	Control weeds
AHCPMG302	Control plant pests, diseases and disorders
AHCPMG304	Use firearms to humanely destroy animals
AHCPMG305	Survey pests
AHCPMG306	Determine pest control techniques
AHCPMG307	Apply animal trapping techniques
AHCPMG308	Implement pest management strategies
AHCPMG312	Apply poison baits for vertebrate pest control in rural and environmental landscapes
AHCPMG411	Ensure compliance with pest legislation
AHCPMG414	Apply predator trapping techniques

**Group F: Marine**

AHCMAR301	Conduct a subtidal marine monitoring operation from a vessel or platform
AHCMAR302	Conduct intertidal marine monitoring
AHCMAR303	Coordinate marine conservation activities on small vessels
AHCMAR304	Identify and collect marine life
AHCMAR305	Monitor ocean conditions and marine environmental quality
MARC037	Operate inboard and outboard motors
MARF027	Apply basic survival skills in the event of vessel abandonment

MARF028	Follow procedures to minimise and fight fires on board a vessel
MARF030	Survive at sea using survival craft
MARN008	Apply seamanship skills aboard a vessel up to 12 metres
<b>Group G: Fire</b>	
AHCFIR301*	Undertake burning for fuel, ecological and cultural resource management
AHCILM307	Implement Aboriginal cultural burning practices
AHCMOM304	Operate machinery and equipment
AHCWRK302	Monitor weather conditions
FWPCOT3259	Operate a four wheel drive on unsealed roads
PUAFIR204*	Respond to wildfire
PUAFIR210	Prevent injury
PUAFIR303*	Suppress wildfire
PUAFIR310	Operate specialist appliance
PUAFIR312*	Operate aerial ignition equipment in an aircraft
<b>Group H: Mined Land Rehabilitation</b>	
AHCBIO303	Apply biosecurity measures
AHCILM305	Work with an Aboriginal Community or organisation
AHCILM306	Follow Aboriginal cultural protocols
AHCIRG436	Implement an irrigation-related environmental protection program
AHCMOM304	Operate machinery and equipment
AHCPMG302	Control plant pests, diseases and disorders
AHCPMG306	Determine pest control techniques
AHCPMG308	Implement pest management strategies
AHCSAW303	Construct conservation earthworks
AHCSAW304	Implement erosion and sediment control measures
AHCSAW402	Set out conservation earthworks
AHCWRK302	Monitor weather conditions
CPPWMT3004	Comply with environmental protection requirements when transporting waste
FWPCOT3259	Operate a four wheel drive on unsealed roads
MSL975045	Perform laboratory-based ecological techniques
RIIMPO206D	Conduct bulk water truck operations
RIICAR301D	Rehabilitate exploration site
RIICAR302D	Rehabilitate small mine site
RIICAR401D	Supervise rehabilitation operations
RIIWMG402D	Monitor and coordinate waste and process water treatment
<b>Group I: General Electives</b>	
ACMGAS305	Rescue animals and apply basic first aid
AHCARB325	Manage trees to create and maintain habitat refuges
AHCBIO301	Identify and report unusual disease or plant pest signs
AHCFIR202	Assist with planned burning
AHCILM306	Follow Aboriginal cultural protocols
AHCCFP301	Identify the effects of climate change as a factor in land management
AHCCHM304	Transport and store chemicals
AHCCHM307	Prepare and apply chemicals to control pest, weeds and diseases
AHCECR306	Conduct photography for fieldwork
AHCFAU301	Respond to wildlife emergencies
AHCLPW307*	Perform restricted diving for scientific purposes

AHCLPW3013	Undertake sampling and testing of water
AHCLPW309	Operate remotely piloted system for conservation work
AHCLSC301	Set out site for construction works
AHCLSC304	Erect timber structures and features
AHCMAR306	Operate mobile underwater vehicles
AHCMOM301	Coordinate machinery and equipment maintenance and repair
AHCMOM305	Operate specialised machinery and equipment
AHCMOM315	Operate chemical application machinery and equipment
AHCPGD301	Implement a plant establishment program
AHCPGD304	Implement a landscape maintenance program
AHCPGD305	Conduct operational inspection of park facilities
AHCPGD306	Implement a maintenance program for an aquatic environment
AHCPMG411	Ensure compliance with pest legislation
AHCSP0308	Sample seed before and after processing
AHCWRK303	Respond to emergencies
AHCWRK304	Respond to rescue incidents
AHCWRK305	Coordinate work site activities
AHCWRK310	Provide on-job training support
BSBTEC301	Design and produce business documents
CPPSIS2012	Assist in collecting basic spatial data
CPPSIS2013	Store and retrieve basic spatial data
CPPSIS2017A	Use information technology for spatial information services activity
CPPSIS3011	Produce basic maps
CPPSIS4035	Apply GIS software to solve spatial data problems
FWPCOT3238	Operate a pole saw
FWPCOT3260	Recover four wheel drive vehicles
FWPFGM3202	Extract seed
FWPFGM3215	Perform complex 4x4 operations
HLTAID011	Provide First Aid
HLTAID013	Provide First Aid in remote or isolated site
HLTAID015	Provide advanced resuscitation and oxygen therapy
MARI003	Comply with regulations to ensure safe operation of a vessel up to 12 metres
MARK007	Handle a vessel up to 12 metres
PUAEMR005	Treat operational risk
PUAEMR006	Assess operational risk
PUAFIR210	Prevent injury
PUAFIR204	Respond to wildfire*
PUAFIR209	Work safely around aircraft
PUAOIL202	Use basic equipment operations for oil spill response
PUAOIL303	Apply health, safety and risk controls when working on oiled shorelines
PUAOIL304	Use advanced equipment operations for oil spill response
SFICRO302	Conduct crocodile surveys
SFICRO305	Prepare to work with crocodiles
SFICRO306	Work safely in crocodile habitats
SISOSCB001	SCUBA dive in open water to a maximum depth of 18 metres
SISOSCB006	Perform diver rescues*
SITGDE002	Work as a guide

### Prerequisite requirements

Note: Units listed in the Prerequisite requirement column that have their own prerequisite requirements are shown with an asterisk (\*)

Unit of competency	Prerequisite requirement
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AHCFIR301 Undertake burning for fuel, ecological and cultural resource management	AHCFIR2021 Assist with planned burning
AHCILM307 Implement Aboriginal cultural burning practices	AHCILM306 Follow Aboriginal cultural protocols
AHCLPW307 Perform restricted diving for scientific purposes	SISOSCB001 SCUBA dive in open water to a maximum depth of 18 metres SISOSCB006 Perform diver rescues* HLTAID011 Provide First Aid HLTAID015 Provide advanced resuscitation and oxygen therapy
PUAFIR204 Respond to wildfire	PUAFIR210 Prevent injury
PUAFIR303 Suppress wildfire	PUAFIR204 Respond to wildfire*
PUAFIR312 Operate aerial ignition equipment in an aircraft	PUAFIR209 Work safely around aircraft
SISOSCB006 Perform diver rescues	SISOSCB001 SCUBA dive in open water to a maximum depth of 18 metres

<b>Qualification Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHC314XX Certificate III in Conservation and Ecosystem Management Release 2	AHC31420 Certificate III in Conservation and Ecosystem Management Release 1	Added new Mined Land Rehabilitation stream	Equivalent
<b>Links</b>			
Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>			