



Australian Government

AHC31421 Certificate III in Conservation and Ecosystem Management

Release 3

AHC31421 Certificate III in Conservation and Ecosystem Management

Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 8.0.
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.1.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0

Qualification Description

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:

- Indigenous land management
- Ecological restoration
- Land, parks and wildlife management
- Pest controller
- Conservation earthworks
- Marine
- Fire
- Mined land rehabilitation

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.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 16 units of competency:
 - 2 core units plus
 - 14 elective units

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:

- at least 6 must be selected from any of groups A, B, C, D, E, F, G and/or H
- up to 6 from Group I
- up to 4 units may be selected from any currently endorsed Training Package or accredited course.

Any combination of electives that meets the packaging rules can be selected for the award of the *Certificate III in Conservation and Ecosystem Management*. Where appropriate, electives may be packaged to provide a qualification with a specialisation area as follows:

- at least 6 electives from Group A must be selected for the award of the *Certificate III in Conservation and Ecosystem Management (Indigenous Land Management)*
- at least 6 electives from Group B must be selected for the award of the *Certificate III in Conservation and Ecosystem Management (Ecological Restoration)*
- at least 6 electives from Group C must be selected for the award of the *Certificate III in Conservation and Ecosystem 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 Ecosystem Management (Conservation Earthworks)*
- at least 6 electives from Group E must be selected for the award of the *Certificate III in Conservation and Ecosystem Management (Pest Controller)*
- at least 6 electives from Group F must be selected for the award of the *Certificate III in Conservation and Ecosystem Management (Marine)*
- at least 6 electives from Group G must be selected for the award of the *Certificate III in Conservation and Ecosystem Management (Fire)*
- at least 6 electives from Group H must be selected for the award of the *Certificate III in Conservation and Ecosystem 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 Ecosystem Management (Indigenous Land Management and Conservation Earthworks)*.

Core Units

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

Group A: Indigenous Land Management

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.

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
SITTGDE013	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
AHCLPW302	Implement a biodiversity monitoring plan
AHCLPW308	Coordinate and report on data collection
AHCLPW310	Supervise park visitor activities
AHCLPW311	Construct access tracks
AHCLPW312	Carry out inspection of designated area
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
AHPCPM204	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
FWPCOT3314	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
AHCPMG402	Ensure compliance with pest legislation
AHCPMG403	Apply predator trapping techniques

Group F: Marine

AHCMAR301	Conduct a subtidal marine monitoring operation from a
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	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

Group G: Fire

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.

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
FWPCOT3325	Operate a four wheel drive vehicle on unsealed roads
PUAFIR008 *	Operate aerial ignition equipment in an aircraft
PUAFIR204 *	Respond to wildfire
PUAFIR210	Prevent injury
PUAFIR303 *	Suppress wildfire

PUAFIR310	Operate specialist appliance
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Group H: Mined Land Rehabilitation

AHCECR301	Maintain native ecosystem areas
AHCECR304	Undertake direct seeding
AHCECR308	Conduct a site inspection for ecological restoration
AHCECR310	Implement assisted regeneration works
AHCFAU302	Identify fauna in the field
AHCILM305	Work with an Aboriginal Community or organisation
AHCMOM304	Operate machinery and equipment
AHCMOM315	Operate chemical application machinery and equipment
AHCPCM204	Recognise plants
AHCPCM303	Identify plant specimens
CPCCWHS100 1	Prepare to work safely in the construction industry
CPPWMT3004	Comply with environmental protection requirements when transporting waste
RIICAR302D	Rehabilitate small mine site

Group I: General Electives

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

ACMGEN309	Provide basic animal first aid
AHCARB325	Manage trees to create and maintain habitat refuges
AHCBIO301	Identify and report signs of unusual disease or pest
AHCBIO303	Apply biosecurity measures
AHCBUS408	Operate within a budget framework

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
AHCECR302	Collect and preserve biological samples
AHCECR303	Implement biological reintroduction works
AHCECR306	Conduct photography for fieldwork
AHCECR311	Implement ecosystem reconstruction works
AHCEXP303	Prepare and use explosives
AHCEXP304	Identify and select explosive products
AHCFAU303	Respond to wildlife emergencies
AHCFAU501	Manage fauna populations
AHCFIR202	Assist with planned burning
AHCILM305	Work with an Aboriginal Community or organisation
AHCILM306	Follow Aboriginal cultural protocols
AHCIRG436	Implement an irrigation-related environmental protection program
AHCLPW307 *	Perform restricted diving for scientific purposes
AHCLPW309	Operate remotely piloted system for conservation work
AHCLPW313	Undertake sampling and testing of water
AHCLSC311	Set out site for construction works
AHCLSC318	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
AHCPGD307	Implement a plant establishment program
AHCPGD310	Implement a landscape maintenance program
AHCPGD311	Conduct operational inspection of park facilities
AHCPGD312	Implement a maintenance program for an aquatic environment
AHCPMG302	Control plant pests, diseases and disorders
AHCPMG306	Determine pest control techniques
AHCPMG308	Implement pest management strategies
AHCPMG402	Ensure compliance with pest legislation
AHCSAW303	Construct conservation earthworks
AHCSAW304	Implement erosion and sediment control measures
AHCSAW402	Set out conservation earthworks
AHCSPO312	Sample seed before and after processing
AHCWRK302	Monitor weather conditions
AHCWRK303	Respond to emergencies
AHCWRK304	Respond to rescue incidents
AHCWRK305	Coordinate work site activities
AHCWRK310	Provide on-job training support
BSBPMG427	Apply project procurement procedures
BSBTEC301	Design and produce business documents
CPCWHS1001	Prepare to work safely in the construction industry
CPPSSI2012	Assist in collecting basic spatial data
CPPSSI2013	Store and retrieve basic spatial data

CPPSSI3011	Produce basic maps
CPPSSI4035	Apply GIS software to spatial problems
FWPCOT3301	Trim trees using a pole saw
FWPCOT3325	Operate a four wheel drive vehicle on unsealed roads
FWPCOT3326	Recover four wheel drive vehicle
FWPCOT3329	Perform complex four wheel drive operations
FWPNSY3002	Extract, clean, store and despatch tree seeds
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
MSL974021	Perform biological procedures
MSL975045 *	Perform laboratory-based ecological techniques
PUAEMR005	Treat operational risk
PUAEMR006	Assess operational risk
PUAFIR017	Work safely around aircraft
PUAFIR204 *	Respond to wildfire
PUAFIR210	Prevent injury
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
RIICAR301D	Rehabilitate exploration site
RIIENV401E	Supervise dust and noise control

RIIMEX201E	Suppress dust in open-cut environments
RIIMPO206D	Conduct bulk water truck operations
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
SITTGDE014	Work as a guide
TLIC0023	Operate four wheel drive vehicle

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
AHCFIR301 Undertake burning for fuel, ecological and cultural resource management	AHCFIR202 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
MSL975045 Perform laboratory-based ecological techniques	MSL974021 Perform biological procedures
PUAFIR008 Operate aerial ignition equipment in an aircraft	PUAFIR017 Work safely around aircraft
PUAFIR204 Respond to wildfire	PUAFIR210 Prevent injury

PUAFIR303 Suppress wildfire	PUAFIR204 Respond to wildfire *
SISOSCB006 Perform diver rescues	SISOSCB001 SCUBA dive in open water to a maximum depth of 18 metres

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC31421 Certificate III in Conservation and Ecosystem Management Release 3	AHC31421 Certificate III in Conservation and Ecosystem Management Release 2	Minor update to qualification to correct a unit code in the list of electives	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>