Modification History

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

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| AHC314XX | Certificate III in Conservation and Ecosystem Management |
| 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 operations * Fire management * 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. | |

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| 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 the 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 Land 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 Land Management (Indigenous land management)* * at least 6 electives from Group B must be selected for the award of the *Certificate III in Conservation and Land Management (Ecological restoration)* * 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 | | SITTGDE001 | 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 |   Group G: Fire   |  |  | | --- | --- | | 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 |   Group H: Mined Land Rehabilitation   |  |  | | --- | --- | | 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 |   Group I: General Electives   |  |  | | --- | --- | | 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 | | AHCSPO308 | 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\* | | SITTGDE002 | 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 | | 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 | |

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| Qualification Mapping Information   | Code and title current version | Code and title previous version | Comments | Equivalence status | | --- | --- | --- | --- | | 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 | |
| Links  Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |