

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHCDES504	Design for construction of landscape features
Application	<p>This unit of competency describes the skills and knowledge required to interpret detailed architectural and landscape design drawings, design for the construction of landscape features and to develop a final design and project report.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to surveying and establishing site levels, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range ofsometimes complex problems.</p> <p>-All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Design (DES)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Interpret detailed architectural and landscape design drawings	1.1 Interpret detailed architectural and landscape design drawings for construction features 1.2 Define survey levels and record any site gradients 1.3 Construct a small scale model from detailed drawings 1.4 Draw detailed plans from pre-constructed landscape features, including elevations 1.5 Draw drainage plans for a green site and a developed site according to construction standards
2. Design aspects of construction for landscape features in a range of materials	2.1 Develop a concept design for the construction of the selected landscape feature 2.2 Illustrate construction details for landscape features 2.3 Incorporate a range of materials used in the construction of landscape features into the design
3. Specify dimensions, footings and qualities of materials	3.1 Determine the difference in quality of available materials and specify quality criterion in the design 3.2 Specify dimensions, footings and qualities of materials selected 3.3 Determine the consequences and costs involved in using poor quality materials 3.4 Specify the construction standards in the design

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Develop a design and project report	4.1 Develop a site strategy for the design project 4.2 Identify and document timelines for the project 4.3 Determine and record project costs 4.4 Work with contractors on site to resolve any issues arising 4.5 Develop and document a final design and project report

AHCDES504 Design for construction of landscape features

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	<ul style="list-style-type: none"> Calculate project costs, including labour, materials, equipment and machinery

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES504 Design for construction of landscape features Release 2	AHCDES504 Design for construction of landscape features Release 1	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCDES504 Design for construction of landscape features
<p>Performance Evidence</p> <p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has designed for construction of landscape features on at least one occasion and has:</p> <ul style="list-style-type: none"> • interpreted detailed architectural and landscape design drawings • calculate project costs • develop a final design and project report • draw n plans to construction standards • identified y and documented ed project timelines • interpret detail architectural and landscape design drawings • liaised d with stakeholders, staff and contractors • selected ed appropriate materials and plants • specified y dimensions, footings, quantity and quality ies of materials • calculated project costs • developed a final design and project report. 	
<p>Knowledge Evidence</p> <p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • principles and practices of designing for construction of landscape features, including: <ul style="list-style-type: none"> • construction standards • drainage issues and the available resources to resolve problems • how to select appropriate plants and materials • materials available in the marketplace • plant specifications for a range of plants appropriate to the design • principles of surveying • site services, including electrical and water provision • stone walling, including gabions • the essentials of retaining walls • the paving processes • project costing procedures • detailed architectural and landscape drawings. 	
<p>Assessment Conditions</p> <p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • a workplace setting or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • landscape construction site • site information and data applicable to designing for landscape features • specifications: <ul style="list-style-type: none"> • detailed architectural and landscape design drawings • relationships: <ul style="list-style-type: none"> • stakeholders, staff and contractors • timeframes: <ul style="list-style-type: none"> • according to job requirements. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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