

Modification history

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

AHCDES5XX	Design for construction of landscape features
Application	<p>This unit of competency describes the skills and knowledge required to design for the construction of landscape features, specify hardscape and softscape quality requirements and develop a 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 analyse, design and communicate solutions to sometimes 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 licensing, legislative or certification requirements 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. Design aspects of construction for landscape features in a range of materials	1.1 Develop a concept design for the construction of the selected landscape feature according to client requirements and budget 1.2 identify and record survey levels, site gradients and elevations 1.3 Draw construction details for landscape features according to landscape design concept 1.4 Draw drainage plans according to national construction standards and landscape design concept 1.5 Incorporate a range of materials used in the construction of landscape features into the design
2. Specify hardscape and softscape quality and requirements	2.1 Determine the difference in quality of available materials and specify quality criterion in the design 2.2 Identify dimensions, footings and qualities of materials selected 2.3 Determine plant types, their characteristics and purpose applicable to landscape design concept 2.4 Determine the impacts of using poor quality materials
3. Develop a design and project report	3.1 Develop a site strategy for the design project 3.2 Identify and document timelines for the project 3.3 Develop and document a final design and project report 3.4 Present design and project report to client

Foundation Skills	
<i>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.</i>	
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
AHCDES5XX Design for construction of landscape features Release 1	AHCDES504 Design for construction of landscape features Release 1	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not 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 AHCDES5XX Design for construction of landscape features
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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.
 There must be evidence that the individual has designed for construction of landscape features on at least one occasion and has:

- drawn plans to construction standards, client requirements and budget
- identified and recorded survey levels, site gradients and elevations
- drawn drainage plans according to national construction standards and landscape design concept
- liaised with client and stakeholders
- selected appropriate materials and plants
- specified dimensions, footings, quantity and quality of materials
- identified and documented project timelines
- developed and presented design and project report.

Knowledge Evidence

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:

- principles and practices of designing for construction of landscape features, including:
 - 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
 - landscape construction techniques and materials.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - landscape construction site
 - site information and data applicable to designing for landscape features
- specifications:
 - detailed architectural and landscape design drawings
- relationships:
 - client and stakeholders
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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