

Modification history

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

AHCDES4XX	Develop landscape designs
Application	<p>This unit of competency describes the skills and knowledge required to develop landscape designs.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to develop landscape designs. This includes applying and communicating non-routine technical solutions to predictable and unpredictable 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. Develop a design brief	1.1 Consult with the client to establish landscape design requirements 1.2 Clarify site constraints 1.3 Determine budget parameters 1.4 Advise client of the process to finalise the project and anticipated timelines
2. Analyse the site	2.1 Identify potential hazards and risks related to site inspection and implement safe working practices to manage risks according to workplace health and safety procedures 2.2 Inspect site to identify and record physical elements and features 2.3 Analyse and record soil conditions, topography, aspect, existing vegetation, neighbouring elements, levels and climatic factors that may impact the design 2.4 Analyse the impact of local council, legislative and regulatory requirements on the design 2.5 Assess and record additional information that will impact the design
3. Develop a design concept	3.1 Source information and ideas that may assist in generating design 3.2 Refine design ideas to develop a concept that meets the brief 3.3 Analyse the design concept for its aesthetic integrity and the effective use of design principles 3.4 Consult with client to agree any required changes or modifications 3.5 Confirm the design concept with the client
4. Incorporate the use of lighting into a design	4.1 Determine the need for supplementary lighting in the landscape 4.2 Identify lighting effects to support the design 4.3 Review the use of lighting to ensure it is consistent with the design concept, timelines and budget
5. Prepare the final landscape design	5.1 Complete the design concept to illustrate final location and layout of landscape elements according to the design brief 5.2 Prepare a planting plan according to the landscape design 5.3 Incorporate clear and precise notes on the design to assist in interpretation 5.4 Review the final design to ensure all requirements have been addressed

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
Reading	<ul style="list-style-type: none"> Identify and interpret information regarding local council, legislative and regulatory requirements
Writing	<ul style="list-style-type: none"> Record design information using correct conventions and terminology
Oral communication	<ul style="list-style-type: none"> Initiate discussions with client, using clear language and standard industry terminology to determine their requirements, and advise and confirm design concepts Negotiate with client, using clear language and confirm modifications or changes to design concept
Numeracy	<ul style="list-style-type: none"> Estimate budget and timelines for design process Take and record measurements, levels and other numerically expressed information required for landscape design Draw to scale Calculate quantities of plants required for planting plan

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES4XX Develop landscape designs	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created

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

TITLE	Assessment requirements for AHCDES4XX Develop landscape designs
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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 developed landscape designs on at least one occasion, and has:

- negotiated and established design timelines and budget
- developed a design brief in consultation with client to determine their requirements
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- assessed landscape sites
- analysed the impact of soils, topography, aspect, existing vegetation, neighbouring elements, levels and climatic factors on individual landscape designs
- researched, interpreted and applied local council, legislative and regulatory requirements relevant to landscape design
- consulted with clients to negotiate and confirm any modifications or changes to design concept
- identified and selected plants for the landscape design that meet the brief and are appropriate for the site conditions
- assessed design against client budget
- developed scaled designs that meet client regulatory and site requirements.

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 developing landscape designs, including:
 - interpreting client budget and design requirements
 - landscape design costing and budgeting principles
 - Australian standards relevant to landscape design
 - drafting techniques for landscape plans and drawings, including conventional symbols and notations
 - functional analysis techniques relevant to landscape design
 - scaled concept drawings and landscape plans
 - available materials and their applications and restrictions relevant to landscape design
 - botany, plant physiology, taxonomy and nomenclature relevant to landscape design
 - plant identification, selection and culture, and planting schedule
- design principles relevant to landscape design, including:
 - unit
 - simplicity
 - balance
 - colour
 - transition
 - line
 - proportion
 - repetition
 - form
 - function
- local council, legislative and regulatory requirements relevant to landscape design
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to landscape design and construction.

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:

Assessment Conditions	
<ul style="list-style-type: none"> • client brief and budget • landscape site • site information applicable to landscape design • computer software and hardware to source and document information • specifications: <ul style="list-style-type: none"> • Australia standards relevant to landscape design • local council, legislative and regulatory requirements applicable to landscape design • workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures applicable to landscape design • relationships: <ul style="list-style-type: none"> • client • 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>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72