



Australian Government

AHCDES402 Apply sustainability principles to landscape design

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to analyse landscape designs for the application of sustainability principles and make recommendations for improving sustainability.

The unit applies to individuals who apply specialist skills and knowledge to application of sustainability principles to landscape design. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability practices.

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

Pre-requisite Unit

Nil

Unit Sector

Design (DES)

Elements and Performance Criteria

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. Research the application of sustainability in landscape design	1.1 Research principles of sustainability and their application to landscape design 1.2 Identify legislation, standards, policies and procedures relevant to sustainable landscape 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>
	1.3 Identify processes and materials used in landscape design 1.4 Identify and determine sustainable design criteria used to assess the impacts of processes and materials 1.5 Analyse the impact of legislation, standards, policies and procedures on sustainable landscape design 1.6 Identify the ways in which alternative design strategies support the environment
2. Evaluate landscape designs for sustainability	2.1 Apply systems-based thinking to assess the impacts of processes and materials on the landscape design 2.2 Apply sustainable landscape design criteria to assess the impacts of processes and materials 2.3 Identify alternative design strategies to minimise the impacts of processes and materials 2.4 Analyse and evaluate alternative design strategies to determine sustainability outcomes
3. Make recommendations for improvement	3.1 Review the outcomes of the landscape evaluation to determine potential sustainability improvements 3.2 Document and present recommended improvements for feedback from key stakeholders 3.3 Review and respond to key stakeholder feedback 3.4 Incorporate agreed changes into final landscape design

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
Reading	Identify and interpret information regarding legislation, standards, policies and procedures
Writing	Record sustainability improvements into landscape design information using correct conventions and terminology

Skill	Description
Oral communication	Initiate discussions with key stakeholders, using clear language and standard industry terminology to present findings, respond to feedback and agree on changes to landscape design

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES402 Apply sustainability principles to landscape design	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>