

Modification history

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

AHCDES4XX	Produce 2-D architectural landscape drawings using CAD software
Application	<p>This unit of competency describes the skills and knowledge required to produce two-dimensional (2-D) architectural drawings for landscape designs using computer-aided design (CAD) software for residential, commercial or public open space projects.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to produce 2-D architectural landscape drawings using CAD software. 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. Create a landscape drawing template file	1.1 Set up the drawing environment 1.2 Create a suitable layering strategy 1.3 Create an architectural landscape design library 1.4 Create text and dimensions styles
2. Produce architectural landscape drawings	2.1 Clarify drawing requirements 2.2 Produce drawings using appropriate layers 2.3 Add drawing notations according to Australian standards and design drawing requirements 2.4 Apply scale and dimensions to drawing according to Australian standards and design drawing requirements 2.5 Import symbols to represent landscape features 2.6 Apply essential status toggles
3. Edit drawing components	3.1 Remove unnecessary elements and text from existing drawings 3.2 Use editing commands to modify drawing elements and existing text 3.3 Set up title blocks
4. Plot CAD drawings	4.1 Set page layout to suit plotting requirements 4.2 Set the print parameters for the plotter 4.3 Select correct print media and plot drawings 4.4 Apply basic palette editing and tool shortcuts
5. Save and back up files	5.1 Create drawing project file directory 5.2 Save and back up drawing files to specified drives or directories 5.3 Retrieve, rename and edit saved files as required
4. Import files	4.1 Insert drawing files into other software applications 4.2 Import text files into CAD drawings from other software 4.3 Import blocks into files and drawings

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"> Interprets detailed plans, specifications and design briefs to prepare and produce 2-D architectural landscape CAD drawings
Writing	<ul style="list-style-type: none"> Records key design information and notations using correct conventions and terminology
Oral communication	<ul style="list-style-type: none"> Uses questioning and careful listening to clarify drawing requirements from clients or relevant project personnel
Numeracy	<ul style="list-style-type: none"> Identifies and records layers, measurements and other numerically expressed information required for architectural landscape drawings Operates numerical functions of CAD equipment to produce accurate scales, dimensions, ratios and measurements

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES4XX Produce 2-D architectural landscape drawings using CAD software	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 Produce 2-D architectural landscape drawings using CAD software
Performance Evidence	
<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 produced two-dimensional (2-D) architectural landscape drawings using computer-aided drawing (CAD) software on at least two occasions and has:</p> <ul style="list-style-type: none"> clarified drawing requirements with client or relevant project personnel followed CAD operating instructions and workplace procedures applied Australian standards and design drawing requirements used features and functions of CAD software to produce 2-D architectural landscape drawings applied creative design, drawing and drafting skills, including: <ul style="list-style-type: none"> characteristics, decorative styles and text styles drafting methods drafting technologies drafting equipment. 	
Knowledge Evidence	
<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 drawing 2-D architectural landscape drawings using CAD software, including: <ul style="list-style-type: none"> drawing requirements, protocols and features relevant to architectural landscape drawings CAD hardware, software, tools and equipment used for drawing 2-D architectural landscape drawings CAD operating instructions CAD software program features and functions, including; drawing tools, view displays, edit functions, working with layers, plotting, printing and file save functions digital file management procedures Australian standards, workplace procedures and design drawing requirements relevant to producing 2-D architectural landscape drawings using CAD software. 	
Assessment Conditions	
<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"> plans specifications and design briefs applicable to producing 2-D architectural landscape drawings using CAD software CAD software, hardware, printers and peripheral equipment specifications: <ul style="list-style-type: none"> CAD operating instructions Australian standards, workplace procedures and design drawing requirements relevant to producing 2-D architectural landscape drawings using CAD software relationships: <ul style="list-style-type: none"> client or relevant project personnel 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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