



Australian Government

AHC51619 Diploma of Irrigation Design

Release 1

AHC51619 Diploma of Irrigation Design

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.

Qualification Description

This qualification describes the skills and knowledge for technical and leadership job roles in the irrigation industry.

Individuals with this qualification will take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.

Work must comply with work health and safety and environmental regulations and legislation that apply to the workplace.

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

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 11 units of competency:
 - 6 core units plus
 - 5 elective units.

Elective units must ensure the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome. The electives are to be chosen as follows:

- 3 must be from the electives list below
- 2 from the remaining electives listed below or any other endorsed Training Package or accredited course

Core Units

AHCIRG435	Determine hydraulic parameters for an irrigation system
AHCIRG506	Design irrigation systems
AHCIRG507	Audit irrigation systems
AHCIRG508	Design irrigation system maintenance and monitoring programs
AHCIRG509	Develop an irrigation and drainage management plan
AHCSOL402	Develop a soil use map for a property

Elective Units

AHCBUS511	Manage enterprise staff requirements
AHCBUS513	Market products and services
AHCBUS514	Negotiate and monitor contracts
AHCBUS515	Prepare estimates, quotes and tenders
AHCBUS516	Develop and review a business plan
AHCBUS517	Monitor and review business performance
AHCBUS518	Prepare and monitor budgets and financial reports
AHCDRG502	Design drainage systems
AHCIRG510	Establish and maintain an irrigation-related environmental protection program
AHCMER304	Recommend irrigation products and services
AHCMER404	Provide advice on agronomic products
AHCMER407	Provide irrigation sales and service
AHCWHS502	Manage work health and safety processes
AHCWRK502	Collect and manage data
AHCWRK503	Prepare reports
AHCWRK507	Implement professional practice

AHCWRK509	Provide specialist advice to clients
AHCWRK510	Audit site operations
AHCWRK511	Develop workplace policy and procedures for sustainability
BSBCUS501	Manage quality customer service
BSBFIM501	Manage budgets and financial plans
BSBHRM506	Manage recruitment selection and induction processes
BSBRES411	Analyse and present research information
PUAMAN005	Manage projects
TLIR4002	Source goods/services and evaluate contractors

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC51619 Diploma of Irrigation Design	AHC51616 Diploma of Irrigation Management	Amended title and units updated There are no changes to the packaging rules from previous version	No equivalent qualification

Links

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