



**Australian Government**

# **AHC32422 Certificate III in Irrigation Technology**

**Release 1**

# AHC32422 Certificate III in Irrigation Technology

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 8.0.

## Qualification Description

This qualification describes the skills and knowledge for trade level roles carried out in the irrigation industry.

Individuals with this qualification perform tasks under broad supervision involving a broad range of skills that are applied in a wide variety of contexts, which will involve discretion and judgement in selecting and operating equipment, coordinating resources and applying contingency measures during work.

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:

- 22 units of competency:
  - 9 core units plus
  - 13 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:

- 7 must be from Group A electives
- 2 must be from Group A or B electives
- 4 from the remaining units listed in Groups A or B, or any other endorsed Training Package or accredited course packaged at Certificate III.

## Core Units

An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

AHCINF304	Install and terminate extra low voltage wiring systems
AHCIRG337	Measure irrigation delivery system performance
AHCIRG338	Troubleshoot irrigation systems
AHCIRG339	Monitor soils under irrigation
AHCIRG340	Install irrigation pumps
AHCIRG342	Interpret irrigation plans and drawings
AHCIRG345	Install pressurised irrigation systems
AHCWHS301	Contribute to work health and safety processes
AHCWRK309	Apply environmentally sustainable work practices

## Elective Units

### Group A

AHCDRG305	Install drainage systems
AHCDRG306	Measure drainage system performance
AHCDRG307	Troubleshoot drainage systems
AHCDRG308	Maintain and repair irrigation drainage systems
AHCIRG301	Install gravity fed irrigation systems
AHCIRG328	Operate irrigation controller and sensor technology
AHCIRG336	Operate and maintain gravity fed irrigation systems
AHCIRG341	Operate and maintain irrigation pumping systems
AHCIRG343	Operate irrigation injection equipment
AHCIRG344	Implement an irrigation schedule
AHCIRG346	Operate pressurised irrigation systems
AHCIRG347	Maintain pressurised irrigation systems

AHCIRG348	Operate and maintain moving irrigation system
AHCWRK305	Coordinate work site activities
MEM12024 *	Perform computations

## Group B

An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

AHCCHM101	Follow basic chemical safety rules
AHCCHM201	Apply chemicals under supervision
AHCCHM304	Transport and store chemicals
AHCIRG349	Recommend irrigation products and services
AHCLPW313	Undertake sampling and testing of water
AHCMER301	Process customer complaints
AHCMER306	Sell products and services
AHCMOM204	Undertake operational maintenance of machinery
AHCMOM208	Conduct excavator operations
AHCMOM304	Operate machinery and equipment
AHCWAT303	<i>Access, extract and monitor water for irrigation</i>
AUMGTW001	Perform basic welding, thermal cutting, heating and gouging
BSBWRT311	Write simple documents
CPCPCM2043	Carry out WHS requirements
CPCPCM3023 *	Fabricate and install non-ferrous pressure piping
CPCPWT3027 *	Install backflow prevention devices
ICTWOR304	Manage spare parts

MEMPE001A	Use engineering workshop machines
MEM07032 *	Use workshop machines for basic operations
MEM11011 *	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006 *	Organise and communicate information
MEM18001 *	Use hand tools
MEM18002 *	Use power tools/hand held operations
MSTGN3003	Estimate and cost job
NWPIWS002	Operate regulating devices in rural irrigation systems
NWPIWS004	Install meters for rural water supplies
NWPIWS006	Maintain meters for rural water supplies
NWPIWS008	Monitor and conduct maintenance on rural irrigation assets
NWPIWS012	Monitor and schedule water deliveries
NWPNET019	Prepare and restore worksite
NWPNET029	Locate, identify and protect utilities
NWPTRT028	Operate and control reclaimed water irrigation
PMBWELD30 1E	Join polyethylene plastic pipelines using butt welding
PMBWELD30 2E	Join polyethylene plastic pipelines using electrofusion welding
SIRRINV001	Receive and handle retail stock
SIRRINV002	Control stock
SIRRMER003	Coordinate visual merchandising activities
SIRXCEG003	Build customer relationships and loyalty
SIRXPDK001	Advise on products and services

SITXCCS014	Provide service to customers
TLIK2010	Use infotechnology devices in the workplace
TLILIC0003	Licence to operate a forklift truck
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace
UEERL0001 *	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply

### Prerequisite requirements

Note: Units listed in the Prerequisite requirement column that have their own prerequisite requirements are shown with an asterisk (\*)

Unit of competency	Prerequisite requirement
CPCPCM3023 Fabricate and install non-ferrous pressure piping	CPCPCM2043 Carry out WHS requirements
CPCPWT3027 Install backflow prevention devices	CPCPCM2043 Carry out WHS requirements CPCPCM3023 Fabricate and install non-ferrous pressure piping *
MEM07032 Use workshop machines for basic operations	MEM11011 Undertake manual handling * MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information * MEM18001 Use hand tools *
MEM11011 Undertake manual handling	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM16006 Organise and communicate information	MEM13015 Work safely and effectively in manufacturing and engineering
MEM18001 Use hand tools	MEM11011 Undertake manual handling * MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information *

MEM18002 Use power tools/hand held operations	MEM11011 Undertake manual handling * MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information *
UEERL0001 Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC32422 Certificate III in Irrigation Technology	AHC32419 Certificate III in Irrigation Technology	Added one existing unit and one new unit to electives in Group B  Superseded and deleted units updated in electives	Equivalent

## Links

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