



Australian Government

AHC32419 Certificate III in Irrigation Technology

Release 2

AHC32419 Certificate III in Irrigation Technology

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 6.0.
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 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
AUMGTW001	Perform basic welding, thermal cutting, heating and gouging
BSBWRT311	Write simple documents
CPCPCM2043 A	Carry out WHS requirements
CPCPWT3027 A*	Connect irrigation systems from drinking water supply
ICTWOR304	Manage spare parts

MEMPE001A	Use engineering workshop machines
MEM07032	Use workshop machines for basic operations
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MSTGN3003	Estimate and cost job
NWPIWS002	Operate regulating devices in rural irrigation systems
NWPIRR013	Construct and install irrigation delivery and stormwater drainage assets
NWPIWS004	Install meters for rural water supplies
NWPIWS006	Maintain meters for rural water supplies
NWPIWS008	Monitor and conduct maintenance in rural irrigation systems
NWPIWS012	Monitor and schedule water deliveries
NWPNET019	Prepare and restore worksite
NWPNET029	Locate, identify and protect utilities
NWPTRT028	Operate and control reclaimed water irrigation
PMBWELD301	Butt weld polyethylene plastic pipelines
PMBWELD302	Electrofusion weld polyethylene pipelines
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
SITXCCS006	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

Unit of competency	Prerequisite requirement
CPCPWT3027A Connect irrigation systems from drinking water supply	CPCPCM2043A Carry out WHS requirements
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
AHC32419 Certificate III in Irrigation Technology Release 2	AHC32419 Certificate III in Irrigation Technology Release 1	Minor update Updated the superseded AHC, BSB, NWP and UEE units	Equivalent

Links

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