



Australian Government

AHC32424 Certificate III in Irrigation Technology

Release 1

AHC32424 Certificate III in Irrigation Technology

Modification History

| Release | Comments |
|-----------|------------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 10.0. |

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

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| AHCINF308 | 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 |
| AHCWHS302 | Contribute to workplace health and safety processes |
| AHCWRK320 | Apply environmentally sustainable work practices |

Elective 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.

Group A

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| 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 |

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| AHCIRG348 | Operate and maintain moving irrigation system |
| AHCWRK317 | Coordinate work site activities |
| MEM12024 * | Perform computations |

Group B

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| 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 |
| AHCMER306 | Sell products and services |
| AHCMOM204 | Undertake operational maintenance of machinery |
| AHCMOM208 | Conduct excavator operations |
| AHCMOM304 | Operate machinery and equipment |
| AHCWAT303 | Access, extract and monitor water for irrigation |
| AUMGTW001 | Perform basic welding, thermal cutting, heating and gouging |
| BSBOPS305 | Process customer complaints |
| 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 |
| MEM07032 * | Use workshop machines for basic operations |
| MEM11011 * | Undertake manual handling |

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| 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 |
| MEMPE001 | Use engineering workshop machines |
| MSTGN3023 | Estimate and cost jobs |
| 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 |

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| 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 Units

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 | UEECD0007 Apply work health and safety |

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| electrical equipment for connection to a single phase 230 Volt supply | regulations, codes and practices in the workplace |
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Qualification Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------|--------------------|
| AHC32424 Certificate III in Irrigation Technology | AHC32422 Certificate III in Irrigation Technology | Updated 3 Core units and 4 Elective units | Not equivalent |

Links

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