



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AHC41112 Certificate IV in Irrigation**

**Release: 1**

## **AHC41112 Certificate IV in Irrigation**

### **Modification History**

June 2012: This qualification supersedes but is not equivalent to AHC41110.

### **Description**

This Qualification allows individuals to develop technical and supervisory skills and knowledge to become specialists within the irrigation industry.

#### **Application**

This Qualification applies to irrigation installation site managers and managers of irrigation systems in the irrigation servicing, amenity horticulture and food and fibre production industries.

### **Pathways Information**

#### **Pathways into the Qualification**

This Qualification may be accessed by direct entry or by completion of AHC32412 Certificate III in Irrigation

#### **Pathways from the Qualification**

Further training pathways from this Qualification include, but are not limited to, AHC51610 Diploma of Irrigation Management.

#### **Additional Qualification advice**

This Qualification is suitable for an Australian Apprenticeship.

### **Licensing/Regulatory Information**

There is no direct link between this Qualification and licensing, legislative and/or regulatory requirements. However, an individual Unit of Competency may specify relevant licensing, legislative and/or regulatory requirements.

### **Entry Requirements**

There are no entry requirements for this Qualification.

## Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> <li>• Reading and interpreting workplace related documentation</li> <li>• Writing to audience needs</li> <li>• Interpreting the needs of internal/external customers</li> <li>• Applying numeracy skills to workplace requirements.</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• Working as an individual and a team member</li> <li>• Working with diverse individuals and groups</li> <li>• Applying knowledge of own role as a part of a team</li> <li>• Applying teamwork skills to a range of situations</li> <li>• Identifying and using the strengths of other team members.</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• Developing practical and creative solutions to workplace problems</li> <li>• Showing interdependence and initiative in identifying problems</li> <li>• Solving problems individually or in teams</li> <li>• Applying a range of strategies in problem solving</li> <li>• Using numeracy skills to solve problems</li> <li>• Testing assumptions and taking context into account.</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Adapting to new situations</li> <li>• Identifying opportunities that might not be obvious to others</li> <li>• Generating a range of options in response to workplace matters</li> <li>• Translating ideas into actions.</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• Collecting analysing and organising information</li> <li>• Using basic business systems for planning and organising</li> <li>• Being appropriately resourceful</li> <li>• Taking initiative and making decisions within workplace role</li> <li>• Participating in continuous improvement and planning processes</li> <li>• Working within or establishing clear project goals and deliverables.</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Determining or applying required resources</li> <li>• Managing time and priorities</li> <li>• Adapting resource allocations to cope with contingencies.</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• Taking responsibility at the appropriate level</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• Using technology and related workplace equipment</li> <li>• Using basic technology skills</li> <li>• Using technology to organise data</li> </ul>

	<ul style="list-style-type: none"><li>• Applying technology as a management tool.</li></ul>
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## Packaging Rules

Complete **twelve (12)** Units of Competency comprised of:

- One (1) Core Unit
- Eleven (11) Elective Units

### Core units

Unit code	Unit title
AHCOHS401A	Maintain OHS processes

### Elective units

- Select a minimum of **seven (7)** Units from Group A.
- Select a minimum of **two (2)** additional Units from Group A or B.
- Select a minimum of **two (2)** additional Units from Group A, Group B and/or this or any other endorsed Training Package or accredited course packaged at Certificate III, IV or Diploma.
- Selected Units must be relevant to job outcomes in the irrigation industry.

### Group A

Unit code	Unit title
AHCIRG402A	Determine hydraulic parameters for an irrigation system
AHCIRG404A	Implement an irrigation-related environmental protection program
AHCIRG408A	Schedule irrigations
AHCIRG410A	Select and manage pumping systems for irrigation
AHCIRG411A	Construct and install a low volume irrigation system
AHCIRG412A	Construct and install a sprinkler irrigation system
AHCIRG413A	Construct and install a moving sprinkler irrigation system
AHCIRG414A	Construct and install a surface irrigation system
AHCIRG415A	Interpret and apply irrigation designs
AHCIRG416A	Supervise low volume irrigation maintenance
AHCIRG417A	Supervise sprinkler irrigation maintenance

AHCIRG418A	Supervise moving sprinkler irrigation maintenance
AHCIRG419A	Supervise surface irrigation maintenance
AHCIRG420A	Manage a low volume irrigation system
AHCIRG421A	Manage a sprinkler irrigation system
AHCIRG422A	Manage a moving sprinkler irrigation system
AHCIRG423A	Manage a surface irrigation system
AHCIRG424A	Construct and install an irrigation drainage system
AHCIRG425A	Monitor and control irrigation drainage systems
AHCIRG426A	Evaluate water supply for irrigation
AHCIRG427A	Plan and supervise on-site irrigation system installation and construction work
AHCSOL401A	Sample soils and interpret the results

### Group B

Unit code	Unit title
AHCBUS402A	Cost a project
AHCBUS404A	Operate within a budget framework
AHCIRG303A	Measure irrigation delivery system performance
AHCIRG428A	Provide irrigation sales and service
AHCTEQ301A	Install and terminate extra low voltage wiring systems
AHCWRK401A	Implement and monitor quality assurance processes
AHCWRK403A	Supervise work routines and staff performance
BSBHRM402A	Recruit, select and induct staff
BSBMGT402A	Implement operational plan
BSBSMB406A	Manage small business finances
BSBWOR402A	Promote team effectiveness

BSBWOR404B	Develop work priorities
NWP362B	Monitor, operate and control reclaimed water for irrigation
NWP401B	Coordinate and monitor the application of environmental plans and procedures
NWP410C	Coordinate and monitor asset construction and maintenance
NWP425B	Coordinate and monitor the operation of irrigation delivery systems
PSPPM402B	Manage simple projects