



**Australian Government**

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

# **AHC32412 Certificate III in Irrigation**

**Release: 1**

## **AHC32412 Certificate III in Irrigation**

### **Modification History**

June 2012: This qualification supersedes but is not equivalent to AHC32410.

### **Description**

This Qualification allows individuals to develop skills and knowledge to become installation or operations technicians within the irrigation industry.

### **Application**

This Qualification applies to skilled workers who carry out installation and operations job roles 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 AHC21112 Certificate II in Irrigation

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

Further training pathways from this Qualification include, but are not limited to, AHC41112 Certificate IV in Irrigation.

#### **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>• Listening and understanding</li> <li>• Speaking clearly and directly</li> <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> <li>• Establishing/using networks.</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>• 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>• Generating a range of options in response to workplace matters.</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>• Taking initiative and making decisions within workplace role</li> <li>• Working within or establishing clear project goals and deliverables</li> <li>• Determining or applying required resources</li> <li>• Allocating people and other resources to tasks and workplace requirements</li> <li>• Managing time and priorities.</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Taking responsibility for individual work practices and team outcomes</li> <li>• Organising time and resources for work</li> <li>• Reflecting on skills gaps and training required.</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• Listening and understanding</li> <li>• Reading and interpreting workplace related documentation</li> <li>• Applying numeracy skills to workplace requirements.</li> </ul>

Technology	<ul style="list-style-type: none"><li>• Using measuring equipment for soil moisture monitoring</li><li>• Use of irrigation technology for operating, monitoring and troubleshooting irrigation systems.</li></ul>
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## Packaging Rules

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

- Two (2) Core Units
- Ten (10) Elective Units

### Core Units

Unit code	Unit title
AHCIRG308A	Monitor soils under irrigation
AHCOHS301A	Contribute to OHS processes

### Elective Units

- Select a minimum of **four (4)** Units from Group A.
- Select a minimum of **four (4)** 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 or IV.
- Selected Units must be relevant to job outcomes in the irrigation industry.

### Group A

Unit code	Unit title
AHCDRG301A	Install drainage systems
AHCIRG309A	Interpret and apply instructions to install pumps
AHCIRG310A	Operate and maintain irrigation pumping systems
AHCIRG311A	Install low volume irrigation components
AHCIRG312A	Install sprinkler irrigation components
AHCIRG313A	Install moving sprinkler irrigation components
AHCIRG314A	Install surface irrigation structures and equipment
AHCIRG315A	Interpret irrigation plans and drawings
AHCIRG316A	Implement a low volume irrigation maintenance program
AHCIRG317A	Implement a sprinkler irrigation maintenance program

AHCIRG318A	Implement a moving sprinkler irrigation maintenance program
AHCIRG319A	Implement a surface irrigation maintenance program
AHCIRG320A	Maintain and repair irrigation drainage systems
AHCIRG321A	Operate low volume irrigation systems
AHCIRG322A	Operate sprinkler irrigation systems
AHCIRG323A	Operate moving sprinkler irrigation systems
AHCIRG324A	Operate surface irrigation systems
AHCIRG325A	Operate irrigation technology
AHCIRG326A	Operate irrigation injection equipment
AHCIRG327A	Implement an irrigation schedule
AHCTEQ301A	Install and terminate extra low voltage wiring systems
AHCWRK305A	Co-ordinate worksite activities
AHCWRK313A	Implement and monitor environmentally sustainable work practices

### Group B

Unit code	Unit title
AHCDRG302A	Measure drainage system performance
AHCDRG303A	Troubleshoot drainage systems
AHCIRG303A	Measure irrigation delivery system performance
AHCIRG306A	Troubleshoot irrigation systems
AHCIRG307A	Recommend irrigation products and services
AHCLPW306A	Undertake sampling and testing of water
CPCPIG2011A	Design domestic urban irrigation systems
CPCPWT3007A	Connect irrigation systems from drinking water supply * <i>CPCPCM2003A Carry out OHS requirements</i>

NWP302A	Install meters for non-potable, non-urban water supplies
NWP304A	Maintain meters for non-potable, non-urban water supplies
NWP305B	Monitor and conduct minor maintenance of complex flow-control and metering devices
NWP316B	Monitor and schedule water deliveries
NWP362B	Monitor, operate and control reclaimed water irrigation