

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHC5XX19	Diploma of Irrigation Design												
<p><b>Qualification Description</b></p> <p>This qualification describes the skills and knowledge for job roles in the irrigation industry including; irrigation system designer, irrigation business manager and irrigation system assessor.</p> <p>Individuals with this qualification will take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.</p> <p>Work must comply with work health and safety and environmental regulations and legislation that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to this qualification at the time of publication.</p>													
<p><b>Entry Requirements</b></p> <p>There are no entry requirements for this qualification.</p>													
<p><b>Packaging Rules</b></p> <p>To achieve this qualification, competency must be demonstrated in:</p> <ul style="list-style-type: none"> <li>11 units of competency: <ul style="list-style-type: none"> <li>6 core units plus</li> <li>5 elective units.</li> </ul> </li> </ul> <p>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:</p> <ul style="list-style-type: none"> <li>4 must be from the electives list below</li> <li>2 from the remaining electives listed below or any other endorsed Training Package or accredited course</li> </ul>													
<p><b>Core Units</b></p> <table border="1"> <tbody> <tr> <td>AHCIRG402</td> <td>Determine hydraulic parameters for an irrigation system</td> </tr> <tr> <td>AHCIRG501</td> <td>Audit irrigation systems</td> </tr> <tr> <td>AHCIRG502</td> <td>Design irrigation system maintenance and monitoring programs</td> </tr> <tr> <td>AHCIRG503</td> <td>Design irrigation, drainage and water treatment systems</td> </tr> <tr> <td>AHCIRG504</td> <td>Develop an irrigation and drainage management plan</td> </tr> <tr> <td>AHCSOL402</td> <td>Develop a soil use map for a property</td> </tr> </tbody> </table>		AHCIRG402	Determine hydraulic parameters for an irrigation system	AHCIRG501	Audit irrigation systems	AHCIRG502	Design irrigation system maintenance and monitoring programs	AHCIRG503	Design irrigation, drainage and water treatment systems	AHCIRG504	Develop an irrigation and drainage management plan	AHCSOL402	Develop a soil use map for a property
AHCIRG402	Determine hydraulic parameters for an irrigation system												
AHCIRG501	Audit irrigation systems												
AHCIRG502	Design irrigation system maintenance and monitoring programs												
AHCIRG503	Design irrigation, drainage and water treatment systems												
AHCIRG504	Develop an irrigation and drainage management plan												
AHCSOL402	Develop a soil use map for a property												
<p><b>Elective Units</b></p> <table border="1"> <tbody> <tr> <td>AHCBUS501</td> <td>Manage staff</td> </tr> <tr> <td>AHCBUS502</td> <td>Market products and services</td> </tr> <tr> <td>AHCBUS503</td> <td>Negotiate and monitor contracts</td> </tr> <tr> <td>AHCBUS504</td> <td>Prepare estimates, quotes and tenders</td> </tr> <tr> <td>AHCBUS506</td> <td>Develop and review a business plan</td> </tr> <tr> <td>AHCBUS507</td> <td>Monitor and review business performance</td> </tr> </tbody> </table>		AHCBUS501	Manage staff	AHCBUS502	Market products and services	AHCBUS503	Negotiate and monitor contracts	AHCBUS504	Prepare estimates, quotes and tenders	AHCBUS506	Develop and review a business plan	AHCBUS507	Monitor and review business performance
AHCBUS501	Manage staff												
AHCBUS502	Market products and services												
AHCBUS503	Negotiate and monitor contracts												
AHCBUS504	Prepare estimates, quotes and tenders												
AHCBUS506	Develop and review a business plan												
AHCBUS507	Monitor and review business performance												

AHCBUS508	Prepare and monitor budgets and financial reports
AHCDRG501	Design drainage systems
AHCIRG505	Establish and maintain an irrigation-related environmental protection program
AHCMER304	Recommend irrigation products and services
AHCMER404	Provide advice on agronomic products
AHCMER407	Provide irrigation sales and service
AHCWHS501	Manage work health and safety processes
AHCWRK502	Collect and manage data
AHCWRK503	Prepare reports
AHCWRK507	Implement professional practice
AHCWRK509	Provide specialist advice to clients
AHCWRK510	Audit site operations
AHCWRK511	Develop workplace policy and procedures for sustainability
BSBCUS501	Manage quality customer service
BSBFIM501	Manage budgets and financial plans
BSBHRM506	Manage recruitment selection and induction processes
BSBRES401	Analyse and present research information
PUAMAN005B	Manage projects
SIRXCLM402	Manage store facilities
SIRXMER004A	Manage merchandise and store presentation
SIRXSLS406	Manage sales and service delivery
TLIR4002	Source goods/services and evaluate contractors

### Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC5XX19 Diploma of Irrigation Design Release 1	AHC51616 Diploma of Irrigation Management Release 1	Amended packaging rudes, new core and elective units	Not equivalent qualification

### Links

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