



Workplace  
Training  
Specialists

# Diploma of Irrigation Management (AHC51610)

## About the course

The Diploma of Irrigation Management reflects the role of an irrigation business manager. The course through elective selection can focus on business, retail, or operational or be more generalist. The course has application for owner – operators of a small irrigation firm, or a dedicated role in irrigation management in a larger enterprise for example in agricultural/horticulture production or organisation's responsible for irrigated public open spaces. The course is delivered concurrently with Irrigation Agronomist Skill Set.

## About River Murray Training (RMT)

RMT has been a registered training organisation (RTO) in irrigation since 2002. RMT has a reputation as an innovative provider in work-based learning and the use of flexible delivery methods to meet enterprise and individual client needs.

## Quick Facts

<b>Course details</b>	A training schedule is set out over an 18 month period. Contact River Murray Training for a current training schedule. The course is facilitated entirely online with a weekly 2 hr session held Thursday's at 4.30pm EDST. Depending on prior experience, participants can expect to undertake up to 20 hours a week applying their skills and knowledge in their "irrigation" work place.
<b>Prerequisites</b>	There are no prerequisites or corequisites for the AHC51610.
<b>Pathways into this qualification</b>	This qualification may be accessed by direct entry or by completion of the Irrigation Industry Agronomist Skill Set. Direct entry applicants must be able to demonstrate prior experience in irrigation equivalent to a Certificate III or IV level  This qualification is suitable for an Australian Apprenticeship.
<b>Entry requirement</b>	<u>A core skill profile</u> at level 4. An RMT facilitator will assist you in doing a profile. If not at level 4, we may recommend you undertake an Irrigation Manager Skill Set or an Irrigation Agronomist Skill Set prior to enrolling in the full qualification. Skill Set units can contribute to a full qualification at a later time.  Participants must have access to an irrigation environment relevant to the Diploma level irrigation skills and knowledge in which they are enrolling.
<b>Recognition of Prior Learning (RPL)</b>	Competence in units can be fully or partially awarded through recognition of prior experience and/or learning. RPL reduces the time required to complete the course, and reduces the cost of a qualification. Indicate your interest in RPL on the Enquiry Form.
<b>National Recognition</b>	River Murray Training recognises the AQF qualifications and statements of attainment issued by other RTO's where a certified statement of attainment/qualification and statement of results are provided.

River Murray Training: (RTO #1093) – Head Office: 18 Strawbridge St, BERRI, SA, 5343

P: (08) 8582 3658 F: (08) 8582 3662 E [admin@r-m-t.com.au](mailto:admin@r-m-t.com.au) W [www.r-m-t.com.au](http://www.r-m-t.com.au)

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### *Your choice of units*

Because of our flexible delivery strategy we are able to offer clients their choice of units within the qualification rules. If there is a skill not listed we may be able to import an appropriate unit from another industry Training Package. Please raise this at the pre-enrolment interview with the RMT Irrigation facilitator.

### *Client support*

The need for additional support is discussed during the pre-enrolment interview and where agreed, a client support plan is developed, documented and included in the Client Services Agreement. This will be reviewed with the client on a regular basis. River Murray Training can provide additional tutoring support and counselling on other support options.

RMT offers reasonable adjustments in how assessment is undertaken to accommodate a client's special needs, where a client has indicated he/she has special needs. A list of support services and contacts is provided to participants in their orientation pack. Please discuss your needs with our Irrigation Program Manager or Facilitator.

### *Assessment*

Evidence for assessment will include assignments and projects that both add value to a participant's workplace and will demonstrate competency.

Evidence against Required skills and Required knowledge can in part be inferred from evaluation reports, research, and planning documents (eg drainage/irrigation/waste water treatment design plans, irrigation maintenance plans; Environmental management plans. Units are clustered to avoid repetition in assessment.

Assessment is planned as part of an Individual's Learning Plan and takes into account any RPL, and opportunities to apply knowledge and skills in the workplace, and the context in which you plan to use the AHC51610 qualification in the future, and your preferred learning style.

River Murray Training moderates and validates its assessment processes, tools and outcomes regularly with staff, other RTOs, employers, and learners.

### *Continuous improvement strategy*

River Murray Training regularly seeks feedback from its learners and employers and gathers data from its RTO activities, national training system data, national e-learning participation data, and industry-based surveys. Data and feedback are reviewed at management meetings and opportunities for improvement recognised and acted upon. RMT clients can submit feedback to us anytime using our Stakeholder Feedback Form.

### *Code of Practice*

River Murray Training makes a commitment to providing high quality training and has a record of excellent outcomes from its training programs. How we achieve this and our commitment to our clients is set out in our Code of Practice which is on our website at: <http://www.r-m-t.com.au/>.

### *Accreditation*

Upon successful completion of this course students will be awarded the AHC51610 Diploma of Irrigation Management. This qualification is recognised nationally under the Australian Qualifications Framework (AQF Level 5). A statement of attainment is issued where there is partial completion only. Skill Sets are available for Irrigation Agronomist and Irrigation Manager roles. Refer to [www.training.gov.au](http://www.training.gov.au) and search on AHC Skill Sets, or contact River Murray Training for assistance.

## Subsidised training

You may be eligible for National Workforce Development Funding. Apply to AgriFood Skills Australia ([www.agrifoodskills.net.au](http://www.agrifoodskills.net.au) or phone Karen Baldwin on (02) 6163 7208 or email [karen.baldwin@agrifoodskills.net.au](mailto:karen.baldwin@agrifoodskills.net.au).)

## Resources

River Murray Training has developed courseware specifically for the AHC51610 online delivery. Materials can be downloaded from RMT's Irrigation eLearning Center.

## Program Qualification Rules

Total number of units = 11

6 core units plus 5 elective units. Two of the electives can be elective units aligned to Certificate IV or above in AHC10 or from any other currently endorsed Training Package or accredited course. Selected units must be relevant to job outcomes in the irrigation industry.

<i>Core units</i>		
<i>Nominal hours in blue</i>		<i>describe performance outcomes, skills and knowledge required to:</i>
AHCIRG402A 80 hrs	Determine hydraulic parameters for an irrigation system	<ul style="list-style-type: none"> <li>This unit covers determining hydraulic parameters for an irrigation system and defines the standard required to: calculate water volumes and pressure required to deliver water; and select system components to deliver the required rate of irrigated water.</li> </ul>
AHCIRG501A 100 hrs	Audit irrigation systems	<ul style="list-style-type: none"> <li>This unit covers the process of collating and assessing system performance data, and compiling a system evaluation report including recommendations for improvements and defines the standard required to: compile data to compare the performance of the system with benchmarks; solve performance problems and recommend solutions; identify adverse impacts of irrigation system activities on the natural resource base of the irrigated area; identify environmental impacts of irrigation on the lower catchment; and use computer software for irrigation auditing.</li> </ul>
AHCIRG502A 80 hrs	Design irrigation system maintenance and monitoring programs	<ul style="list-style-type: none"> <li>This unit covers the process of designing irrigation system maintenance and monitoring programs and defines the standard required to: identify irrigation system monitoring and maintenance requirements; determine the resources required for irrigation system maintenance; design a maintenance program for an irrigation system; develop procedures for scheduling and monitoring an irrigation system to achieve required performance; and develop contingency plans for the irrigation system for periods of restricted water supply.</li> </ul>
AHCIRG503A 120 hrs	Design irrigation, drainage and water treatment systems	<ul style="list-style-type: none"> <li>This unit covers the designing of irrigation, drainage and water treatment systems and defines the standard required to: identify design requirements for drainage and water treatment; determine specifications for suitable pumping and power systems; design distribution, drainage, storage and treatment systems; design water transfer, recharge, reuse and harvesting systems to conserve natural resources and; assess the environmental impacts of the irrigation system to ensure it will comply with environmental protection agency regulations.</li> </ul>

<p>AHCIRG504A 120 hrs</p>	<p>Develop an irrigation and drainage management plan</p>	<ul style="list-style-type: none"> <li>○ This unit covers the process of compiling information on a property, and using this information to develop an Irrigation and Drainage Management Plan (IDMP) with specifications for a new or up-graded irrigation and drainage system where this is needed and defines the standard required to: compile and analyse information on property background, infrastructure, topography and natural resources, and land use; compile details of current irrigation and drainage system design and performance; determine performance requirements for distribution, treatment and drainage systems; incorporate specifications for a new or up-graded irrigation and drainage system into the; irrigation and drainage management plan.</li> </ul>
<p>AHCSOL501A 120 hrs</p>	<p>Monitor and manage soils for production</p>	<ul style="list-style-type: none"> <li>○ This unit covers the process of monitoring and managing soils in an agricultural or horticultural production environment and defines the standard required to: interpret soil analytical data for the purposes of developing management or production plans; develop and conduct soil improvement programs; review and analyse ongoing soil monitoring programs; document the soil management plan or production plan.</li> </ul>

<b>Elective Units</b>	<i>Choose 5 units from the list of electives below and from electives in AHC10 or any other current Training Packages, at Certificate IV or higher. NOTE: A maximum of 2 units only can be imported.</i>
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For more detail on Units go to [www.training.gov.au](http://www.training.gov.au);

Press <<S>> to bring up the Search box; Enter the Code

Deselect All, and then select only Units of Competency.

### Irrigation

AHCIRG505A Establish and maintain an irrigation-related environmental protection program (120 hrs)

### Merchandising and sales

BSBCUS501B Manage quality customer service (40 hrs)

SIRXCLM002A Manage store facilities (25 hrs)

SIRXINV005A Control inventory (40 hrs)

SIRXMER004A Manage merchandise and store presentation (35 hrs)

SIRXRSK004A Control store security (35 hrs)

SIRXSLS005A Manage sales and service delivery (35 hrs)

### Business

AHCBUS501A Manage staff (140 hrs)

AHCBUS502A Market products and services (120 hrs)

AHCBUS503A Negotiate and monitor contracts (120 hrs)

AHCBUS504A Prepare estimates, quotes and tenders (120 hrs)

AHCBUS505A Develop a marketing plan (140 hrs)

AHCBUS506A Develop and review a business plan (150 hrs)

AHCBUS507A Monitor and review business performance (120 hrs)

AHCBUS508A Prepare and monitor budgets and financial reports (140 hrs)

BSBFIM501A Manage budgets and financial plans (70 hrs)

BSBHRM506A Manage recruitment selection and induction processes (60 hrs)

BSBRES401A Analyse and present research information (40 hrs)

AHCWRK511A Develop workplace policy and procedures for sustainability (100hrs)

TLIR207C Source goods/services and evaluate contractors (30 hrs)

### Drainage

AHCDRG501A Design drainage systems (120 hrs)

Work

AHCWRK502A Collect and manage data (120 hrs)

AHCWRK503A Prepare reports (60 hrs)

AHCWRK507A Implement professional practice

AHCWRK509A Provide specialist advice to clients (100 hrs)

AHCWRK510A Audit site operations (80 hrs)

PSPPM502B Manage complex projects (30 hrs)

PSPPM503B Close complex projects (80 hrs)

### Occupational Health and Safety

AHCOHS501A Manage Occupational Health and Safety (OHS) processes (90 hrs)

### AHCSS00005 Irrigation Agronomist Skill Set

AHCIRG402A - Determine hydraulic parameters for an irrigation system

AHCIRG404A - Implement an irrigation-related environmental protection program

AHCIRG408A - Schedule irrigations

AHCIRG501A - Audit irrigation systems

AHCIRG504A - Develop an irrigation and drainage management plan

AHCSOL402A - Develop a soil use map for a property

AHCWRK509A - Provide specialist advice to clients

The Irrigation Skill Set units can be used in an application to Irrigation Australia Limited to be a Certified Irrigation Agronomist, along with other terms and conditions being met.

An application fee payable to IAL does apply. Refer to IAL website for more information.

[www.irrigation.org.au](http://www.irrigation.org.au) or contact on **1300 949 891**

Or [info@irrigation.org.au](mailto:info@irrigation.org.au) .

## ***Employability Skills***

The following table contains a summary of employability skills for this qualification. Employability Skills are defined as "skills required not only to gain employment, but also to progress within an enterprise so as to achieve one's potential and contribute successfully to enterprise strategic directions". Employability skills are embedded in units of competency and assessed as part of the unit. The Employability Skills for this qualification are listed below.

### **Communication**

- Reading and interpreting workplace related documentation
- Writing to audience needs
- Interpreting the needs of internal/external customers
- Applying numeracy skills to workplace requirements

### **Teamwork**

- Working as an individual and a team member
- Working with diverse individuals and groups
- Applying knowledge of own role as a part of a team
- Applying teamwork skills to a range of situations
- Identifying and using the strengths of other team members

### **Problem-solving**

- Developing practical and creative solutions to workplace problems
- Showing interdependence and initiative in identifying problems
- Solving problems individually or in teams
- Applying a range of strategies in problem solving
- Using numeracy skills to solve problems
- Testing assumptions and taking context into account

### **Initiative and enterprise**

- Adapting to new situations
- Identifying opportunities that might not be obvious to others
- Generating a range of options in response to workplace matters
- Translating ideas into actions

### **Planning and organising**

- Collecting analysing and organising information
- Using basic business systems for planning and organising
- Being appropriately resourceful
- Taking initiative and making decisions within workplace role
- Working within or establishing clear project goals and deliverables
- Determining or applying required resources

### **Self-management**

- Allocating people and other resources to tasks and workplace requirements
- Managing time and priorities
- Adapting resource allocations to cope with contingencies

### **Learning**

- Taking responsibility at the appropriate level

### **Technology**

- Using technology and related workplace equipment
- Using basic technology skills
- Using technology to organise data
- Applying OHS knowledge when using technology
- Applying technology as a management tool

*Registration of Interest*

*AHC51610 Diploma of Irrigation Management*

Name:	_____				
Address	_____				
Phone	_____	Mobile	_____	Email	_____

**Details of other Training Qualifications completed**

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**Study intentions**

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**Study reasons**

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**Employer support**

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Do you have internet access at work and at home? \_\_\_\_\_

If yes, what type of internet access do you have? \_\_\_\_\_

Other information:

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