

AHC10 QUALIFICATIONS AND AUSTRALIAN APPRENTICESHIPS GUIDE

SERVICES

Agribusiness, Beekeeping, Commercial Seed Processing, Commercial Composting, Conservation Earthworks, Feedlot, Irrigation, Rural Machinery, Rural Merchandising, Rural Operations, Seed Production, Seed Testing, Shearing, Wool Classing and Wool Handling.

The first version of the ***Agriculture, Horticulture and Conservation and Land Management (AHC10) Training Package*** was released in June 2011 and marked the end of a number of years of work in merging three standalone, industry specific training documents. Since the initial release, a series of changes have been made to the Training Package (qualifications modified, qualifications added) which has resulted in the endorsement and publication of several updated versions of the document. The latest release, ***AHC10 - Version 8***, was endorsed by the National Skills Standards Council (NSSC) in December 2013 and published in the same month. The Training Package is under constant review by the various industry stakeholders and, from time to time, amendments will be made to reflect current work practices and the changing needs of the industry. More detailed information about the role, structure and implementation of Training Packages can be obtained from the websites of the organisations listed below. Copies of all current qualifications and ancillary information can be downloaded from the Rural Skills Australia website.

Organisation	Website Address
Rural Skills Australia	www.ruralskills.com.au
Training.gov.au *	www.training.gov.au
AgriFood Skills Australia	www.agrifoodskills.net.au

(* *Undertaking a role which was formerly the responsibility of the National Training Information Service (NTIS)*)

This document focuses on those qualifications that fall outside the main industry groups and/or provide “services” to those industries and is part of a much larger document that provides information about all of the other industry sectors in the ***AHC10 Training Package*** including:

- * - **Agriculture**
- * - **Horticulture**
- * - **Production Horticulture**
- * - **Conservation and Land Management**

Details about the training available in these industry sectors can also be found on the Rural Skills Australia website.

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Disclaimers

1. *The views and opinions expressed in this document are those of Rural Industry Trainee Association Inc. and do not necessarily reflect the views of the Australian Government or State and Territory Governments.*

2. *This Guide is provided for information purposes only. Rural Skills Australia will not accept responsibility or liability for the accuracy or authenticity of the contents of this Guide. The information is provided on the basis that persons using the Guide undertake responsibility for assessing the relevance and accuracy of its content. The eventual availability of specific Australian Apprenticeships pathways across States and Territories will be dependent on required processes being initiated and finalised within individual jurisdictions.*



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There are a number of qualifications not listed under the four main industry groups that fall within the scope of the **AHC10 Agriculture, Horticulture and Conservation and Land Management Training Package**. These qualifications enable individuals who have acquired the appropriate competencies and skills to provide a range of “**services**” that complement the operations of the four main industry groups. They include - Agribusiness, Beekeeping, Commercial Seed Processing, Commercial Composting, Conservation Earthworks, Feedlot, Irrigation, Rural Machinery, Rural Merchandising, Rural Operations, Seed Production, Seed Testing, Shearing, Wool Classing and Wool Handling. (*The “service” sector qualifications are listed alphabetically.*)

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CERTIFICATE IV IN AGRIBUSINESS – (AHC41010)

QUALIFICATION NOTES

This qualification allows individuals to develop agribusiness skills and knowledge within the agriculture and production horticulture industry. They may undertake a range of complex and non-routine tasks related to the administration of an agribusiness. The range of technical skills and knowledge is proficient and leadership of others would be expected.

Job titles may include:

Agribusiness administrator

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- a) one (1) core unit
- b) a minimum of nine (9) elective units
- c) a maximum of two (2) units may be selected from the elective units or from units aligned to Certificates III, IV or Diploma AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the rural business.

CORE UNIT

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

ELECTIVE UNITS

Agribusiness

AHCAGB301A - Keep records for a primary production business	
AHCAGB401A - Implement and monitor a property improvement plan	
AHCAGB402A - Analyse and interpret production data	
BSBRK401A - Identify risk and apply risk management processes	

Business

AHCBUS401A - Administer finance, insurance and legal requirements	
AHCBUS402A - Cost a project	
AHCBUS403A - Support and review business structures and relationships	
AHCBUS404A - Operate within a budget framework	
AHCBUS405A - Participate in an e-business supply chain	
BSBMM401A - Make a presentation	
BSBFIA402A - Report on financial activity	
BSBHRM402A - Recruit, select and induct staff	
BSBINM401A - Implement workplace information systems	
BSBITU404A - Produce complex desktop published documents	
BSBRES401A - Analyse and present research information	
BSBSMB405B - Monitor and manage small business operations	
BSBSMB406A - Manage small business finances	
BSBWOR402A - Promote team effectiveness	

Shearing

AHCSHG406A - Prepare shearing team wages	
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Broad Acre Cropping

AHCBAC501A - Manage agricultural crop production	
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Livestock

AHCLSK501A - Manage livestock production	
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Work

AHCWRK401A - Implement and monitor quality assurance procedures	
AHCWRK402A - Provide information on issues and policies	
AHCWRK403A - Supervise work routines and staff performance	
AHCWRK404A - Ensure compliance with pest legislation	
BSBWOR402A - Promote team effectiveness	
MSL913002A - Plan and conduct laboratory/field work	
PSPPM402B - Manage simple projects	
PSPPOL404A - Support policy implementation	
SRXGRO002A - Deal with conflict	
TAEDEL301A - Provide work skill instruction	

DIPLOMA OF AGRIBUSINESS MANAGEMENT – (AHC51410)

QUALIFICATION NOTES

The Diploma of Agribusiness Management reflects the role of personnel working on farms, stations and related rural businesses involved in administering and managing those businesses.

Job outcomes may include:

Farm manager/administrator
 Production unit manager/administrator
 Station/property manager
 Agribusiness manager/administrator

PACKAGING RULES

Completion of **ten (10)** units made up of:

- a) a minimum of eight (8) units from the elective units list
- b) a maximum of two (2) units may be selected from the elective units or from 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 rural business.

ELECTIVE UNITS

Agribusiness

	NOTES
AHCAGB501A - Develop climate risk management strategies	
AHCAGB502A - Plan and manage infrastructure requirements	
AHCAGB503A - Plan and monitor production processes	
AHCAGB504A - Plan production for the whole land/farm based business	
AHCAGB505A - Develop a whole farm plan	
AHCAGB602A - Manage estate planning	
AHCBUS401A - Administer finance, insurance and legal requirements	
BSBADM504B - Plan or review administrative systems	
BSBWOR501B - Manage personal work priorities and professional development	
TLIL5019A - Implement and monitor transport logistics	
TLIR4002A - Source goods/services and evaluate contractors	
TLIR4003A - Negotiate a contract	

Business

AHCBUS501A - Manage staff	
AHCBUS502A - Market products and services	
AHCBUS503A - Negotiate and monitor contracts	
AHCBUS504A - Prepare estimates, quotes and tenders	
AHCBUS505A - Develop a marketing plan	
AHCBUS506A - Develop and review a business plan	
AHCBUS507A - Monitor and review business performance	
AHCBUS508A - Prepare and monitor budgets and financial reports	

Carbon Farming

AHCCFI501 - Provide technical advice on the Carbon Farming Initiative	
AHCCFI502 - Assess the feasibility of a Carbon Farming Initiative project	
AHCCFI503 - Advise on Carbon farming Initiative project planning and implementation	
AHCCFI504 - Monitor and report on a Carbon Farming Initiative project	
AHCCFI505 - Aggregate Carbon Farming Initiative projects	

Occupational Health and Safety

AHCOHS501A - Manage OHS processes	
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Machinery Operation and Maintenance

AHCMOM501A - Manage machinery and equipment	
AHCMOM502A - Implement a machinery management system	

Natural Area Restoration

AHCNAR506A - Develop and implement sustainable land use strategies.	
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Work

AHCWRK511A - Develop workplace policy and procedures for sustainability	
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ADVANCED DIPLOMA OF AGRIBUSINESS MANAGEMENT – (AHC60310)

QUALIFICATION NOTES

This qualification reflects the roles of individuals working in a range of agribusinesses. The units covered in this qualification are uniquely contextualised for the agribusiness sector and reflect the need for agribusiness specific management expertise in planning and analysis, financial and human resource management together with an emphasis on sustainability.

This qualification is also suited to the needs of individuals who possess significant theoretical agribusiness skills and knowledge that they would like to further develop in order to create further educational or employment opportunities.

Job titles may include:

Rural and agribusiness manager including:

- lending managers
- insurance brokers
- machinery dealers
- chemical resellers
- stock agents
- grain marketers
- real estate agents

Agriculture enterprise business managers

Production horticulture enterprise business managers

PACKAGING RULES

Completion of **eight (8) units** made up of:

- a) a minimum of six (6) elective units
- b) a maximum of two (2) units may be selected from the elective units or from units aligned to Diploma or Advanced Diploma in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in agribusiness management.

ELECTIVE UNITS

Agribusiness

	NOTES
AHCAGB501A - Develop climate risk management strategies	
AHCAGB502A - Plan and manage infrastructure requirements	
AHCAGB601A - Develop export markets for produce	
AHCAGB602A - Manage estate planning	
AHCAGB603A - Manage the production system	
AHCAGB604A - Analyse business performance	
AHCAGB605A - Manage business capital	
AHCAGB606A - Manage price risk through trading strategy	

Business

AHCBUS601A - Manage capital works	
AHCBUS602A - Review management plans and strategies	
AHCBUS603A - Develop and review a strategic plan	
AHCBUS604A - Design and manage the enterprise quality management system	
AHCBUS605A - Manage human resources	
AHCBUS606A - Develop a monitoring, evaluation and reporting program	
AHCBUS607A - Implement a monitoring, evaluation and reporting program	
AHCBUS608A - Manage risk	

Machinery Operation and Maintenance

AHCMOM601A - Analyse machinery options	
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Merchandising and Sales

AHCMER501A - Develop a sales strategy for rural products	
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Work

AHCWRK601A - Monitor projects in a program	
AHCWRK602A - Lead and manage community or industry organisations	
AHCWRK603A - Design and conduct a field-based research trial	
CPPWMT5045A - Develop site safety plans	
PSPPOL404A - Support policy implementation	
SRXGOV001B - Participate as a member of an effective Board of an organisation	
SRXGOV002B - Undertake the role of individual Director of an organisation	
SRXGOV003B - Undertake the role of Chairperson at a Board meeting	
SRXGOV004B - Work effectively with the Board of an organisation	
SRXINU004A - Promote compliance with laws and legal principles	

CERTIFICATE III IN BEEKEEPING – (AHC32010)

QUALIFICATION NOTES

This qualification provides a vocational outcome in beekeeping.

Job titles may include:

Bee keeper

PACKAGING RULES

Completion of **ten (10) units** made up of:

- a) five (5) core units
- b) a minimum of three (3) elective units
- c) a maximum of two (2) units must come from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the beekeeping industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Beekeeping

AHCBEK301A - Manage honey bee swarms	
AHCBEK304A - Remove a honey crop from a hive	
AHCBEK305A - Extract honey	

Work

AHCWRK306A - Comply with industry quality assurance requirements	
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ELECTIVE UNITS

Beekeeping

AHCBEK201A - Support beekeeping work	
AHCBEK202A - Use a bee smoker	
AHCBEK203A - Open and reassemble a beehive	
AHCBEK204A - Construct and repair beehives	
AHCBEK302A - Manipulate honey bee brood	
AHCBEK303A - Re-queen a honey bee colony	
AHCBEK306A - Manage pests and disease within a honey bee colony	
AHCBEK401A - Collect and store propolis	
AHCBEK402A - Perform queen bee artificial insemination	
AHCBEK403A - Produce and harvest royal jelly	
AHCBEK404A - Provide bee pollination services	
AHCBEK405A - Select and establish an apiary site	
AHCBEK406A - Trap and store pollen	
AHCBEK407A - Rear queen bees	

Food Safety

FDFFS2001A - Implement the food safety program and procedures	
FDFFS3001A - Monitor the implementation of quality and food safety programs * Prerequisite: FDFFS2001A - Implement the food safety program and procedures	
FDGPS2011A - Operate a creamed honey manufacture process	
FDOP2013A - Apply sampling procedures	

FDFOF2003A - Clean equipment in place	
FDFOF2004A - Clean and sanitise equipment	
FDFOF2023A - Operate a packaging process	
FDFTFC3001A - Participate in a HACCP team* * Prerequisite: FDFFS2001A - Implement the food safety program and procedures	

Machinery Operation and Maintenance

TLILIC2001A - Licence to operate a forklift truck	
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Work

AHCWRK303A - Respond to emergencies	
AHCWRK305A - Coordinate work site activities	
AHCWRK308A - Handle bulk materials in storage area	

CERTIFICATE III IN COMMERCIAL SEED PROCESSING – (AHC32113)

QUALIFICATION NOTES

This qualification provides a vocational outcome in commercial seed processing.

Job titles may include:

Commercial seed processor

PACKAGING RULES

Completion of **nine (9) units** made up of:

- a) five (5) core units
- b) four (4) elective units selected from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed training package or accredited course. The selected units must be relevant to job outcomes in the commercial seed processing industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Seed Processing

AHCSP0301A - Operate a screen cleaner	
AHCSP0302A - Operate an indent cylinder	
AHCSP0307A - Handle, package and store commercial quantities of seed	
AHCSP0308A - Sample seed before and after processing	

ELECTIVE UNITS

Agribusiness

AHCAGB301A - Keep records for a primary production business	
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Machinery Operation and Maintenance

TLILIC2001A - Licence to operate a forklift truck	
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Seed Processing

AHCSP0303A - Operate a gravity table	
AHCSP0304A - Operate seed modification machinery	
AHCSP0305A - Operate seed treatment machinery	
AHCSP0306A - Operate specialised seed processing machinery	

Work

AHCWRK313A - Implement and monitor environmentally sustainable work practices	
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CERTIFICATE III IN COMMERCIAL COMPOSTING – (AHC32210)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in commercial composting.

Job titles may include:

Commercial compost facility worker

PACKAGING RULES

Completion of **ten (10) units** made up of:

- a) one (1) core unit
- b) a minimum of five (5) units from elective group A
- c) a minimum of two (2) units from elective groups A or B
- d) a maximum of two (2) units may be selected from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the commercial composting industry.

CORE UNIT

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

ELECTIVE UNITS GROUP A

Composting

AHCCOM301A - Operate compost processing plant, machinery and equipment	
AHCCOM302A - Dispatch materials and composted product	
AHCCOM303A - Operate a compost bagging process	
AHCCOM401A - Develop a composting recipe	
AHCCOM402A - Plan and schedule compost production	
RIIMPO304B - Conduct wheel loader operations	

Work

AHCWRK305A - Coordinate work site activities	
AHCWRK306A - Comply with industry quality assurance requirements	
AHCWRK308A - Handle bulk materials in storage area	

ELECTIVE UNITS GROUP B

Composting

AHCCOM201A - Assess and receive raw materials for composting	
AHCCOM202A - Recognise and respond to fire emergencies on a composting site	
AHCCOM203A - Recognise raw materials, production processes and products on a composting site	
AHCCOM501A - Identify and secure raw materials supply for compost production	

Chemicals

AHCCHM301A - Conduct fumigation in enclosed spaces	
AHCCHM302A - Fumigate soil using chemicals	
AHCCHM303A - Prepare and apply chemicals	

AHCCHM304A - Transport, handle and store chemicals	
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Machinery Operations and Maintenance

AHCMOM301A - Coordinate machinery and equipment maintenance and repair	
AHCMOM302A - Perform machinery maintenance	
AHCMOM304A - Operate machinery and equipment	
AHCMOM305A - Operate specialised machinery and equipment	
AHCMOM315A - Operate chemical application machinery and equipment	

CERTIFICATE III IN CONSERVATION EARTHWORKS – (AHC32310)

QUALIFICATION NOTES

This qualification relates to those individuals constructing earthworks on rural properties and rural land. They perform tasks involving a broad range of skilled applications applied in a wide variety of contexts, which may involve application of some discretion and judgement in selecting equipment, services or contingency measures.

Job titles may include:

Earth moving plant operator (undertaking dam construction and other soil and water conservation activities)

PACKAGING RULES

Completion of **ten (10) units** made up of:

- a) three (3) core units
- b) a minimum of four (4) elective units
- c) a maximum of three (3) units may be selected from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed training package or accredited course.
Selected units must be relevant to job outcomes in conservation earthworks.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Soil and Water Conservation

AHCSAW301A - Construct conservation earthworks	
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Machinery Operation and Maintenance

AHCMOM302A - Perform machinery maintenance	
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ELECTIVE UNITS

Lands, Parks and Wildlife

AHCLPW303A - Construct access tracks	
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Soil and Water Conservation

AHCSAW302A - Implement erosion and sediment control measures	
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Natural Area Restoration

AHCNAR303A - Implement revegetation works	
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Machinery Operation and Maintenance

AHCMOM304A - Operate machinery and equipment	
AHCMOM314A - Transport machinery	

Work

AHCWRK303A - Respond to emergencies	
AHCWRK305A - Coordinate worksite activities	
AHCWRK311A - Conduct site inspections	

CERTIFICATE III IN FEEDLOT OPERATIONS – (AHC33311)

QUALIFICATION NOTES

This qualification provides an occupational outcome in beef cattle feedlot operations. Electives must be chosen to cover a feedlot maintenance, pen riding or feeding and milling stream. The testamur issued for this qualification is to be titled AHC33311 - Certificate III in Feedlot Operations. An additional descriptor should be added by the RTO to reflect unit selection. For example:

- * AHC33311 - Certificate III in Feedlot Operations (Feedlot Maintenance)
- * AHC33311 - Certificate III in Feedlot Operations (Feeding and Milling)
- * AHC33311 - Certificate III in Feedlot Operations (Pen Riding)

Job titles may include:

Feedlot maintenance worker
Intensive production enterprise feed mill worker
Pen rider

PACKAGING RULES

Completion of **seventeen (17) units** made up of:

- a) six (6) core units
- b) a minimum of eight (8) elective units must be chosen from **one** of the following streams:
 - Group A: Feedlot Maintenance
 - Group B: Feeding and Milling
 - Group C: Pen Riding
- c) a maximum of three (3) units may be selected from units aligned to Certificates II, III, or IV in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the feedlot industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Biosecurity

AHCBIO302A - Identify and report unusual disease or plant pest signs	
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Chemicals

AHCCHM303A - Prepare and apply chemicals	
AHCCHM304A - Transport, handle and store chemicals	

Work

AHCWRK209A - Participate in environmentally sustainable work practices	
AHCWRK306A - Comply with industry quality assurance requirements	

ELECTIVE UNITS

GROUP A: FEEDLOT MAINTENANCE

For a Feedlot Maintenance specialisation select a minimum of eight (8) units from the following group:

Occupational Health and Safety

RIIWHS202D - Enter and work in confined spaces	
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Infrastructure

AHCINF204A - Fabricate and repair metal or plastic structures	
AHCINF301A - Implement property improvement, construction and repair	

Livestock

AHCLSK213A - Clean out production sheds	
AHCLSK328A - Remove and facilitate reuse of effluent and manure from an intensive production system	

Machinery Operation and Maintenance

AHCMOM207A - Conduct front end loader operations	
AHCMOM301A - Coordinate machinery and equipment maintenance and repair	
AHCMOM305A - Operate specialised machinery and equipment	

Pest Management

AHCPMG301A - Control weeds	
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Production Horticulture

AHCPHT307A - Prepare raw materials and compost the feedstocks	
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Work

AHCWRK313A - Implement and monitor environmentally sustainable work practices	
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GROUP B: FEEDING AND MILLING

For a Feeding and Milling specialisation select a minimum of eight (8) units from the following group:

Occupational Health and Safety

RIIWHS202D - Enter and work in confined spaces	
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Livestock

AHCLSK310A - Implement feeding plans for intensive production	
AHCLSK326A - Mix and mill standard stock feed	
AHCLSK333A - Monitor pen condition and ration suitability	
FDGFR3002A - Demonstrate knowledge of animal nutrition principles	

Machinery Operation and Maintenance

AHCMOM205A - Operate vehicles	
AHCMOM207A - Conduct front end loader operations	
AHCMOM302A - Perform machinery maintenance	
AHCMOM305A - Operate specialised machinery and equipment	
FDGFR2038A - Operate a grinding process	

Broad Acre Cropping

AHCBAC204A - Prepare grain storages	
AHCBAC303A - Prepare to receive grains/seeds	

Pest Management

AHCPMG301A - Control weeds	
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Work

AHCWRK308A - Handle bulk materials in storage area	
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GROUP C: PEN RIDING

For a Pen Rider specialisation select a minimum of eight (8) units from the following group:

Livestock

AHCLSK301A - Administer medication to livestock	
AHCLSK304A - Carry out post-mortem examination of livestock	
AHCLSK307A - Euthanase livestock	
AHCLSK308A - Identify and draft livestock	
AHCLSK309A - Implement animal health control programs	
AHCLSK310A - Implement feeding plans for intensive production	
AHCLSK332A - Monitor animals in intensive production systems	
AHCLSK333A - Monitor pen condition and ration suitability	

Machinery Operation and Maintenance

AHCMOM205A - Operate vehicles	
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CERTIFICATE II IN IRRIGATION - (AHC21112)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in irrigation. It allows individuals to develop the skills and knowledge to work as field and support staff within the irrigation industry and describes the job roles of supervised entry-level workers in the industry. It covers the employment areas of irrigation installation and irrigation operations. The irrigation industry expects this qualification to be achieved to meet job outcomes at this level.

Job titles may include:

Irrigation labourer
Irrigation assistant

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- a) two (2) core units
- b) a minimum of four (4) units from elective group A
- c) a minimum of four (4) units from elective groups A or B
- d) a minimum of two (2) units from elective group A, elective group B or from units, at the Certificate II or III level, from this or any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the irrigation industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS201A - Participate in OHS processes	

Work

AHCWRK209A - Participate in environmentally sustainable work practices	
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ELECTIVE UNITS GROUP A

Irrigation

AHCIRG204A - Lay irrigation and/or drainage pipes	
AHCIRG207A - Carry out irrigation site preparation tasks	
AHCIRG208A - Assist with the installation and maintenance of pumps and flow-control devices for irrigation	
AHCIRG209A - Carry out installation tasks for low volume irrigation	
AHCIRG210A - Carry out installation tasks for sprinkler irrigation	
AHCIRG211A - Assist with low volume irrigation operations	
AHCIRG212A - Assist with sprinkler irrigation operations	
AHCIRG213A - Assist with surface irrigation operations	
NWP210B - Perform basic water quality tests	
NWP222A - Operate basic flow control and regulating devices in irrigation systems	
NWP251B - Construct open earthen channels or drains	

Soils and Media

AHCSOL201A - Determine basic properties of soil and/or growing media	
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ELECTIVE UNITS GROUP B

Drainage

AHCDRG201A - Maintain drainage systems	
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Irrigation

AHCIRG214A	- Install micro-irrigation systems for landscaping	
CPCPCM2007A	- Carry out levelling * * CPCPCM2003A - Carry out OHS requirements CPCPCM2004A - Read plans and calculate plumbing quantities	
NWP203B	- Plan and organise personal work activities	
NWP209B	- Use maps, plans, drawings and specifications	
NWP215B	- Install and replace basic volumetric metering equipment	
NWP226B	- Prepare and restore work site	
NWP252B	- Construct and install irrigation delivery and stormwater drainage assets	

Machinery Operation and Maintenance

AHCMOM203A	- Operate basic machinery and equipment	
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Work

AHCWRK204A	- Work effectively in the industry	
AHCWRK205A	- Participate in workplace communications	
AHCWRK208A	- Provide information on products and services	
TLID1001A	- Shift materials safely using manual handling methods	

CERTIFICATE III IN IRRIGATION – (AHC32412)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in irrigation. It allows individuals to develop the skills and knowledge to become installation or operations technicians within the irrigation industry. The 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. The irrigation industry expects this qualification to be achieved to meet job outcomes at this level.

Job titles may include:

Irrigation installer
Irrigation retail sales assistant

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- a) two (2) core units
- b) a minimum of four (4) units from elective group A
- c) a minimum of four (4) units from elective groups A or B
- d) a minimum of two (2) units from elective group A, elective group B or from units, at the Certificate III or IV level, from this or any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the irrigation industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Irrigation

AHCIRG308A - Monitor soils under irrigation	
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ELECTIVE UNITS GROUP A

Drainage

AHCDRG301A - Install drainage systems	
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Irrigation

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	

Tools and Equipment

AHCTEQ301A - Install and terminate extra low voltage wiring systems	
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Work

AHCWRK305A - Coordinate work site activities	
AHCWRK313A - Implement and monitor environmentally sustainable work practices	

ELECTIVE UNITS GROUP B

Drainage

AHCDRG302A - Measure drainage system performance	
AHCDRG303A - Troubleshoot drainage systems	

Irrigation

AHCIRG303A - Measure irrigation delivery service performance	
AHCIRG306A - Troubleshoot irrigation systems	
AHCIRG307A - Recommend irrigation products and services	
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	

Lands, Parks and Wildlife

AHCLPW306A - Undertake sampling and testing of water	
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CERTIFICATE IV IN IRRIGATION – (AHC41112)

QUALIFICATION NOTES

This qualification allows individuals to develop technical and supervisory skills and knowledge to become specialists within the irrigation industry and applies to irrigation installation site managers and managers of irrigation systems in the irrigation servicing, amenity horticulture and food and fibre production industries.

Job titles may include:

Team leader

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- a) one (1) core unit
- b) a minimum of seven (7) units from elective group A
- c) a minimum of two (2) units from elective groups A or B
- d) a minimum of two (2) units may be selected from elective group A, elective group B or from units, at the Certificate III, IV or Diploma level, from this or any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the irrigation industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

ELECTIVE UNITS GROUP A

Irrigation

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	

Soils and Media

AHCSOL401A - Sample soils and interpret results	
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ELECTIVE UNITS GROUP B

Business

AHCBUS402A - Cost a project	
AHCBUS404A - Operate within a budget framework	
BSBHRM402A - Recruit, select and induct staff	
BSBMGT402A - Implement operational plan	
BSBSMB406A - Manage small business finances	
BSBWOR402A - Promote team effectiveness	
BSBWOR404B - Develop work priorities	

Irrigation

AHCIRG303A - Measure irrigation delivery system performance	
AHCIRG428A - Provide irrigation sales and service	
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	

Tools and Equipment

AHCTEQ301A - Install and terminate extra low voltage wiring systems	
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Work

AHCWRK401A - Implement and monitor quality assurance procedures	
AHCWRK403A - Supervise work routines and staff performance	
PSPPM402B - Manage simple projects	

DIPLOMA OF IRRIGATION MANAGEMENT – (AHC51610)

QUALIFICATION NOTES

The Diploma of Irrigation Management reflects the role of an irrigation business manager.

Job titles may include:

Irrigation business manager

PACKAGING RULES

Completion of **eleven (11) units** made up of:

- a) six (6) core units
- b) a minimum of three (3) elective units
- c) a maximum of two units (2) units may be selected from the elective units or from 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.

CORE UNITS

Irrigation

	NOTES
AHCIRG402A - Determine hydraulic parameters for an irrigation system	
AHCIRG501A - Audit irrigation systems	
AHCIRG502A - Design irrigation system maintenance and monitoring programs	
AHCIRG503A - Design irrigation, drainage and water treatment systems	
AHCIRG504A - Develop an irrigation and drainage management plan	

Soils and Media

AHCSOL501A - Monitor and manage soils for production	
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ELECTIVE UNITS

Irrigation

AHCIRG505A - Establish and maintain an irrigation related environmental protection program	
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Merchandising and Sales

BSBCUS501C - Manage quality customer service	
SIRXCLM402 - Manage store facilities	
SIRXINV005A - Control inventory	
SIRXMER004A - Manage merchandise and store presentation	
SIRXRSK404 - Control store security	
SIRXSLS406 - Manage sales and service delivery	

Business

AHCBUS501A - Manage staff	
AHCBUS502A - Market products and services	
AHCBUS503A - Negotiate and monitor contracts	
AHCBUS504A - Prepare estimates, quotes and tenders	
AHCBUS505A - Develop a marketing plan	
AHCBUS506A - Develop and review a business plan	
AHCBUS507A - Monitor and review business performance	
AHCBUS508A - Prepare and monitor budgets and financial reports	
BSBFIM501A - Manage budgets and financial plans	
BSBHRM506A - Manage recruitment, selection and induction processes	
BSBRES401A - Analyse and present research information	
TLIR4002A - Source goods/services and evaluate contractors	

Drainage

AHCDRG501A - Design drainage systems	
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Occupational Health and Safety

AHCOHS501A - Manage OHS processes	
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Work

AHCWRK502A - Collect and manage data	
AHCWRK503A - Prepare reports	
AHCWRK507A - Implement professional practice	
AHCWRK509A - Provide specialist advice to clients	
AHCWRK510A - Audit site operations	
PSPPM502B - Manage complex projects	
PSPPM503B - Close complex projects	

CERTIFICATE III IN RURAL MACHINERY OPERATIONS – (AHC32610)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in agricultural plant operations.

Job titles may include:

Agricultural plant operator/contractor

PACKAGING RULES

Completion of **fifteen (15) units** made up of:

- a) five (5) core units
- b) a minimum of six (6) elective units
- c) a maximum of four (4) units may be selected from the elective units list or from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in machinery operations.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Machinery Operation and Maintenance

AHCMOM301A - Coordinate machinery and equipment maintenance and repair	
AHCMOM302A - Perform machinery maintenance	
AHCMOM304A - Operate machinery and equipment	
AHCMOM305A - Operate specialised machinery and equipment	

ELECTIVE UNITS

Machinery Operation and Maintenance

AHCMOM306A - Ground spread fertiliser and soil ameliorant	
AHCMOM307A - Operate a cane harvester	
AHCMOM308A - Operate broadacre & row crop harvest machinery and equipment	
AHCMOM309A - Operate broadacre sowing machinery and equipment	
AHCMOM310A - Operate land-forming machinery and equipment	
AHCMOM311A - Operate precision control technology	
AHCMOM312A - Operate row crop planting and seeding machinery and equipment	
AHCMOM313A - Operate mobile irrigation machinery and equipment	
AHCMOM314A - Transport machinery	

Tools and Equipment

MEM05004C - Perform routine oxy acetylene welding	
MEM05007C - Perform manual heating and thermal cutting	
MEM05012C - Perform routine manual metal arc welding	

Work

AHCWRK303A - Respond to emergencies	
AHCWRK304A - Respond to rescue incidents	
AHCWRK305A - Coordinate work site activities	

DIPLOMA OF RURAL MACHINERY MANAGEMENT – (AHC51710)

QUALIFICATION NOTES

The Diploma of Rural Machinery Management reflects the role of personnel working as managers of farm machinery contract services.

Job titles may include:

Machinery operations manager
Harvesting contractor/manager
Rural plant contractor
Farm machinery contract manager

PACKAGING RULES

Completion of **ten (10) units** made up of:

- one (1) core unit
- a minimum of three (3) units from elective group A
- a minimum of four (4) units from elective groups A or B
- a maximum of two (2) units may be selected from 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 machinery management.

CORE UNIT

Occupational Health and Safety

	NOTES
AHCOHS501A - Manage OHS processes	

ELECTIVE UNITS GROUP A

Machinery

AHCMOM501A - Manage machinery and equipment	
AHCMOM502A - Implement a machinery management system	
AHCMOM601A - Analyse machinery options	

Work Health and Safety

BSBWHS503A - Contribute to the systematic management of WHS risk	
BSBWHS508A - Manage WHS hazards associated with plant	

ELECTIVE UNITS GROUP B

Agribusiness

AHCAGB502A - Plan and manage infrastructure requirements	
BSBWOR501B - Manage personal work priorities and professional development	

Business

AHCBUS501A - Manage staff	
AHCBUS503A - Negotiate and monitor contracts	
AHCBUS504A - Prepare estimates, quotes and tenders	
AHCBUS506A - Develop and review a business plan	
AHCBUS507A - Monitor and review business performance	
AHCBUS508A - Prepare and monitor budgets and financial reports	
TLIL5019A - Implement and monitor transport logistics	
TLIR4002A - Source goods/services and evaluate contractors	
TLIR4003A - Negotiate a contract	

CERTIFICATE III IN RURAL MERCHANDISING – (AHC32710)

QUALIFICATION NOTES

This qualification provides a vocational outcome in rural merchandising.

Job titles may include:

Rural merchandiser
Rural sales assistant

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- seven (7) core units
- three (3) elective units
- two (2) units may be selected from the elective units or from units aligned to Certificates II, III, or IV in AHC10 or from any other currently endorsed training package or accredited course.
Selected units must be relevant to job outcomes in rural merchandising.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

Merchandising and Sales

AHCMER303A - Sell products and services	
BSBCUS301B - Deliver and monitor a service to customers	
BSBPRO301A - Recommend products and services	
BSBSLS402A - Identify sales prospects	
SIRXSLS303 - Build relationships with customers	

Work

AHCWRK313A - Implement and monitor environmentally sustainable work practices	
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ELECTIVE UNITS

Merchandising and Sales

AHCMER301A - Process customer complaints	
AHCMER302A - Provide advice on hardware products	
AHCMER401A - Coordinate customer service and networking activities	
AHCMER402A - Provide advice and sell machinery	
AHCMER403A - Provide advice and sell farm chemicals	
AHCMER404A - Provide advice on agronomic products	
AHCMER405A - Provide advice on livestock products	
BSBSMB403A - Market the small business	
SIRXADM002A - Coordinate retail office	
SIRXINV002A - Maintain and order stock	
SIRXINV004A - Buy merchandise	
SIRXINV005A - Control inventory	
SIRXMER004A - Manage merchandise and store presentation	
SIRXMER201 - Merchandise products	
SIRXMER202 - Plan, create and maintain displays	
SIRXMER303 - Coordinate merchandise presentation	
SIRXMER406 - Monitor in-store visual merchandising display	
SIRXMPR001A - Profile a retail market	
SIRXRSK002A - Maintain store security	
SIRXSLS002A - Advise on products and services	

Business

AHCBUS301A - Use hand-held e-business tools	
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Machinery Operation and Maintenance

TLILIC2001A - Licence to operate a forklift truck	
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Work

AHCWRK306A - Comply with industry quality assurance requirements	
AHCWRK307A - Develop and apply fertiliser and soil ameliorant product knowledge	
AHCWRK308A - Handle bulk materials in storage area	

CERTIFICATE I IN AGRIFOOD OPERATIONS - (AHC10210)

QUALIFICATION NOTES

This qualification is an entry level qualification aimed at individuals entering the agriculture, horticulture and conservation and land management industries. It allows individuals to develop basic skills and knowledge to prepare for work. They may undertake a range of simple tasks under close supervision. The range of technical skills and knowledge is limited.

The qualification is suited to VET in Schools programs or learners with no previous connection to the agriculture, horticulture or conservation and land management industries or relevant employment history.

There are no specific job outcomes to this qualification, but the skills achieved will assist in successfully undertaking a Certificate II pre-vocational program or job outcome qualification, or will facilitate entry into an Australian Apprenticeship.

PACKAGING RULES

Completion of **six (6) units** made up of:

- a) two (2) core units
- b) a minimum of two (2) elective units from the list below
- c) a maximum of two (2) units may be selected from the elective units list below or from units aligned to Certificates I or II in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in Agrifood industries.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS101A - Work safely	

Work

AHCWRK101A - Maintain the workplace	
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ELECTIVE UNITS

Broad Acre Cropping

AHCBAC101A - Support agricultural crop work	
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Chemicals

AHCCHM101A - Follow basic chemical safety rules	
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Horse Breeding

AHCHBR101A - Support horse work	
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Irrigation

AHCIRG101A - Support irrigation work	
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Landscape

AHCLSC101A - Support landscape work	
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Livestock

AHCLSK101A - Support extensive livestock work	
AHCLSK102A - Support intensive livestock work	

Machinery Operation and Maintenance

AHCMOM101A - Assist with routine maintenance of machinery and equipment	
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Nursery

AHCNSY101A - Support nursery work	
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Organic Production

AHCORG101A - Support organic production	
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Parks and Gardens

AHCPGD101A - Support gardening work	
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Production Horticulture

AHCPHT101A - Support horticultural production	
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Shearing

AHCSHG101A - Undertake basic shearing and crutching	
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Tools and Equipment

MEM18001C - Use hand tools	
MEM18002B - Use power tools/hand held operations	

Turf

AHCTRF101A - Support turf work	
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Wool

AHCWOL101A - Support woolshed activities	
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CERTIFICATE II IN RURAL OPERATIONS - (AHC21210)

QUALIFICATION NOTES

This qualification provides an occupational outcome for industries and agencies in rural and regional Australia.

Depending on the units selected individuals can be employed not only in rural industries but also other rural and regional sectors such as local government, tourism, hospitality, transport, construction, community services, information technology and metals.

PACKAGING RULES

Completion of *fifteen (15) units* made up of:

- a) two (2) core units
- b) a minimum of seven (7) units must come from Certificate II in the AHC10 endorsed training package
- c) a maximum of six (6) units may be selected from units aligned to Certificates II or III from up to three (3) other currently endorsed training packages or accredited courses. Selected units must be relevant to job outcomes in AgriFood industries

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS201A - Participate in OHS processes	

Work

AHCWRK209A - Participate in environmentally sustainable work practices	
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CERTIFICATE III IN RURAL OPERATIONS - (AHC32810)

QUALIFICATION NOTES

This qualification provides an occupational outcome in agriculture, horticulture and conservation and land management and at least one and up to three other related industries.

Depending on the units selected individuals will be able to seek employment not only in rural industries but also other industry sectors such as local government, tourism, hospitality, transport, construction, information technology and metals.

PACKAGING RULES

Completion of **sixteen (16) units** made up of:

- a) two (2) core units
- b) a minimum of seven (7) units from Certificate III in the AHC10 endorsed training package
- c) a maximum of seven (7) units must come from units aligned to Certificates II, III or IV from up to three other currently endorsed training packages or accredited courses. Selected units must be relevant to job outcomes in AgriFood industries

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Work

AHCWRK313A - Implement and monitor environmentally sustainable work practices	
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CERTIFICATE III IN SEED PRODUCTION - (AHC33412)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in seed production.

This qualification may be accessed by direct entry and is suitable for an Australian Apprenticeship.

PACKAGING RULES

Completion of **sixteen (16) units** made up of:

- a) six (6) core units
- b) a minimum of seven (7) units from the elective units list below
- c) a maximum of three (3) units may be selected from the elective units list below or from units aligned to the Certificates II, III or IV level in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in seed production.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Seed Production

AHCSDP301A - Undertake preparation of land for seed crops	
AHCSDP302A - Establish seed crops	
AHCSDP303A - Maintain seed crops	
AHCSDP304A - Harvest seed crops	

Work

AHCWRK313A - Implement and monitor environmentally sustainable work practices	
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ELECTIVE UNITS

Agribusiness

AHCAGB301A - Keep records for a primary production business	
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Biosecurity

AHC BIO303A - Carry out emergency disease or plant pest control procedures at infected premises	
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Chemicals

AHCCHM303A - Prepare and apply chemicals	
AHCCHM304A - Transport, handle and store chemicals	

First Aid

HLTAID003 - Apply first aid	
HLTAID005 - Provide first aid in remote situation	

Infrastructure

AHCINF301A - Implement property improvement, construction and repair	
AHCINF302A - Plan and construct an electric fence	

AHCINF303A - Plan and construct conventional fencing	
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Irrigation

AHCIRG301A - Implement a maintenance program for an irrigation system	
AHCIRG303A - Measure irrigation delivery service performance	
AHCIRG308A - Monitor soils under irrigation	
AHCIRG312A - Install sprinkler irrigation components	
AHCIRG313A - Install moving sprinkler irrigation components	
AHCIRG314A - Install surface irrigation structures and components	
AHCIRG317A - Implement a sprinkler irrigation maintenance program	
AHCIRG318A - Implement a moving sprinkler irrigation maintenance program	
AHCIRG319A - Implement a surface irrigation maintenance program	
AHCIRG322A - Operate sprinkler irrigation systems	
AHCIRG323A - Operate moving sprinkler irrigation systems	
AHCIRG324A - Operate surface irrigation systems	
AHCIRG325A - Operate irrigation technology	
AHCIRG327A - Implement an irrigation schedule	

Machinery Operation and Maintenance

AHCMOM202A - Operate tractors	
AHCMOM301A - Coordinate machinery and equipment maintenance and repair	
AHCMOM302A - Perform machinery maintenance	
AHCMOM304A - Operate machinery and equipment	
AHCMOM305A - Operate specialised machinery and equipment	
AHCMOM306A - Ground spread fertiliser and soil ameliorant	
AHCMOM308A - Operate broadacre and row crop harvest machinery and equipment	
AHCMOM309A - Operate broadacre sowing machinery and equipment	
AHCMOM312A - Operate row crop planting and seeding machinery & equipment	
AHCMOM313A - Operate mobile irrigation machinery and equipment	
AHCMOM314A - Transport machinery	
AHCMOM315A - Operate chemical application machinery and equipment	
TLILIC2001A - Licence to operate a forklift truck	

Pest Management

AHCPMG301A - Control weeds	
AHCPMG302A - Control plant pests, diseases and disorders	

Plants

AHCPCM301A - Implement a plant nutrition program	
AHCPCM303A - Identify plant specimens	

Soils and Media

FDWGG3010A - Implement a soil management program	
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Tools and Equipment

MEM05004C - Perform routine oxy acetylene welding	
MEM05007C - Perform manual heating and thermal cutting	
MEM05012C - Perform routine manual metal arc welding	

Vertebrate Pests

AHCVPT302A - Implement vertebrate pest control program	
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Work

AHCWRK301A - Collect samples for a rural production or horticulture monitoring program	
AHCWRK302A - Monitor weather conditions	
AHCWRK303A - Respond to emergencies	
AHCWRK305A - Coordinate work site activities	

AHCWRK306A - Comply with industry quality assurance requirements	
AHCWRK308A - Handle bulk materials in storage area	

CERTIFICATE IV IN SEED PRODUCTION - (AHC41412)

QUALIFICATION NOTES

This qualification allows individuals to develop higher level skills and knowledge to become specialists within the seed production industry. It is designed to meet the needs of supervisors or team leaders in the seed production industry.

This qualification may be accessed by direct entry and is suitable for an Australian Apprenticeship.

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- a) five (5) core units
- b) a minimum of five (5) units from the elective units list below
- c) a maximum of two (2) units may be selected from the elective units list below or from units aligned to the Certificates III, IV or Diploma level in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in seed production.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

Seed Production

AHCSDP401A - Plan a seed crop establishment program	
AHCSDP402A - Supervise seed crop establishment	
AHCSDP403A - Plan and implement seed crop maintenance	
AHCSDP404A - Supervise seed crop harvesting	

ELECTIVE UNITS

Agribusiness

AHCAGB401A - Implement and monitor a property improvement plan	
AHCAGB402A - Analyse and interpret production data	
BSBRSK401A - Identify risk and apply risk management processes	

Chemicals

AHCCHM401A - Minimise risks in the use of chemicals	
AHCCHM402A - Plan and implement a chemical use program	
AHCCHM403A - Prepare safe operating procedures for calibration of equipment	

Irrigation

AHCIRG410A - Select and manage pumping systems for irrigation	
AHCIRG412A - Construct and install a sprinkler irrigation system	
AHCIRG417A - Supervise sprinkler irrigation maintenance	
AHCIRG421A - Manage a sprinkler irrigation system	
AHCIRG426A - Evaluate water supply for irrigation	

Machinery Operation and Maintenance

AHCMOM401A - Conduct major repair and overhaul of machinery and equipment	
AHCMOM402A - Supervise maintenance of property, machinery and equipment	

Pest Management

AHCPMG408A - Assess and monitor weed, pest and/or disease control programs	
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Plants

AHCPCM402A - Develop a soil health and plant nutrition program	
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Soils and Media

AHCSOL401A - Sample soils and interpret results	
AHCSOL402A - Develop a soil use map for a property	

Work

AHCWRK401A - Implement and monitor quality assurance procedures	
AHCWRK402A - Provide information on issues and policies	
AHCWRK403A - Supervise work routines and staff performance	

CERTIFICATE III IN SEED TESTING - (AHC33512)

QUALIFICATION NOTES

This qualification provides a general vocational outcome in seed testing and analysis and may be accessed by direct entry. It is suitable for an Australian Apprenticeship.

PACKAGING RULES

Completion of **eighteen (18) units** made up of:

- a) nine (9) core units
- b) a minimum of five (5) units from the elective units list below
- c) a maximum of four (4) units may be selected from the elective units list below or from units aligned to the Certificates II, III or IV level in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in seed testing laboratory.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Seed Testing

AHCSDT301A - Prepare a working sample	
AHCSDT302A - Identify seeds	
AHCSDT304A - Perform a seed purity analysis	
AHCSDT305A - Perform a seed moisture test	
AHCSDT306A - Perform a seed germination test	
AHCSDT307A - Perform a "Determination of Other Seeds by Number" test	

Work

AHCWRK306A - Comply with industry quality assurance requirements	
AHCWRK313A - Implement and monitor environmentally sustainable work practices	

ELECTIVE UNITS

Laboratory Operations

MSL922001A - Record and present data	
MSL933001A - Maintain the laboratory/field workplace fit for purpose	
MSL933004A - Perform calibration checks on equipment and assist with its maintenance	
MSL934003A - Maintain and control stocks	
MSL973007A - Perform microscopic examination	

Seed Testing

AHCSDT303A - Perform a fluorescence test on seeds	
AHCSDT405A - Handle and store quarantinable seeds	

Training and Education

TAEDEL301A - Provide work skill instruction	
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Work

AHCWRK303A - Respond to emergencies	
AHCWRK305A - Coordinate work site activities	

CERTIFICATE IV IN SEED TESTING - (AHC41512)

QUALIFICATION NOTES

This qualification provides a vocational outcome in seed testing and analysis. It is suitable for an Australian Apprenticeship.

PACKAGING RULES

Completion of **eighteen (18) units** made up of:

- a) nine (9) core units
- b) a minimum of five (5) units from the elective units list below
- c) a maximum of four (4) units may be selected from the elective units list below or from units aligned to the Certificates II, III or IV level in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in seed testing laboratory.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

Seed Testing

AHCSDT402A - Prepare and maintain a seed reference collection	
AHCSDT404A - Develop and implement laboratory policy and procedures	
AHCSDT406A - Undertake internal audits in a seed laboratory	
AHCSDT409A - Perform a tetrazolium seed viability test	
AHCSDT410A - Perform seed vigour test	
AHCSDT411A - Perform a 1000 seed weight test	

Work

AHCWRK401A - Implement and monitor quality assurance procedures	
AHCWRK403A - Supervise work routines and staff performance	

ELECTIVE UNITS

Laboratory Operations

MSL904001A - Perform standard calibrations	
MSL924001A - Process and interpret data	
MSL924002A - Use laboratory application software	
MSL934002A - Apply quality system and continuous improvement processes	
MSL934003A - Maintain and control stocks	

Seed Testing

AHCSDT401A - Maintain a quarantine approved laboratory	
AHCSDT403A - Perform an Anguina test on annual ryegrass seed	
AHCSDT405A - Handle and store quarantinable materials	
AHCSDT407A - Perform an endophytic seed test	
AHCSDT408A - Perform an electrophoresis test on a seed sample	

CERTIFICATE II IN SHEARING – (AHC21310)

QUALIFICATION NOTES

This qualification provides an entry level occupational outcome in shearing. It recognises the work of an improver shearer who is able to shear sheep to an acceptable industry standard. The shearing industry expects this qualification to be achieved to meet job outcomes at this level.

Job titles may include:

Shearer – improver level

PACKAGING RULES

Completion of **nine (9) units** made up of:

- a) eight (8) core units
- b) a maximum of one (1) unit may be selected from units aligned to Certificates II or III in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the shearing industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS201A - Participate in OHS processes	

Shearing

AHCSHG201A - Crutch sheep	
AHCSHG203A - Shear sheep to novice level	
AHCSHG204A - Shear sheep to improver level	
AHCSHG205A - Grind combs and cutters for machine shearing	
AHCSHG206A - Prepare handpiece and downtube for machine shearing	

Work

AHCWRK204A - Work effectively in the industry	
AHCWRK209A - Participate in environmentally sustainable work practices	

CERTIFICATE III IN SHEARING – (AHC32910)

QUALIFICATION NOTES

This qualification relates to shearing at the professional level. This requires a high standard of workmanship at a rate of at least 120 sheep per day. The shearing industry expects this qualification to be achieved to meet job outcomes at this level.

Entry Requirements:

To be eligible to enrol in this qualification applicants must be able to demonstrate shearing skills and knowledge at the Certificate II in Shearing level by completion of that certificate or by Recognition of Prior Learning.

Job titles may include:

Shearer – professional level

PACKAGING RULES

Completion of **seven (7) units** made up of:

- * seven (7) core units

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Shearing

AHCSHG204A - Shear sheep to improver level	
AHCSHG302A - Prepare combs and cutters for machine shearing	
AHCSHG303A - Maintain and service shearing hand-pieces	
AHCSHG304A - Shear sheep to professional level	
AHCSHG305A - Maintain consistent shearing performance	

Work

AHCWRK305A - Coordinate work site activities	
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CERTIFICATE IV IN SHEARING – (AHC41210)

QUALIFICATION NOTES

This qualification relates to shearing at the professional level. This requires a high standard of workmanship at a rate of at least 120 sheep per day.

Entry Requirements

To be eligible to enrol in this qualification applicants must be able to demonstrate shearing skills and knowledge at Certificate III in Shearing level by completion of that certificate or by Recognition of Prior Learning.

Job titles may include:

Professional shearer
Shearing coach
Shearing contractor
Shearing shed manager
Shearing team leader

PACKAGING RULES

Completion of **eight (8) units** made up of:

- * eight (8) core units

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

Shearing

AHCSHG303A - Maintain and service shearing handpieces	
AHCSHG304A - Shear sheep to professional level	
AHCSHG401A - Apply advanced shearing techniques	
AHCSHG402A - Conduct equipment experting for machine shearing	
AHCSHG403A - Account for shearing shed supplies	

Work

AHCWRK403A - Supervise work routines and staff performance	
TAEDEL301A - Provide work skill instruction	

CERTIFICATE III IN WOOL CLIP PREPARATION – (AHC33013)

QUALIFICATION NOTES

This qualification is a specialist wool classing qualification for owner classers and enables them to apply for registration with AWEX Ltd.

The qualification is the minimum mandatory requirement for persons wishing to apply to the Australian Wool Exchange Ltd for registration as an Owner Wool Classer.

Job titles may include:

Owner Classer

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- * twelve (12) core units

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

First Aid

HLTAID003 - Apply first aid	
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Wool

AHCWOL301A - Appraise wool using industry descriptions	
AHCWOL303A - Prepare wool based on its characteristics	
AHCWOL304A - Prepare fleece wool for classing	
AHCWOL305A - Prepare skirtings and oddments	
AHCWOL306A - Supervise clip preparation	
AHCWOL307A - Document a wool clip	
AHCWOL308A - Prepare facilities for shearing and crutching	
AHCWOL405A - Class fleece wool	

Shearing

AHCSHG407A - Oversee and instruct shed staff	
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Work

AHCWRK306A - Comply with industry quality assurance requirements	
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CERTIFICATE IV IN WOOL CLASSING – (AHC41313)

QUALIFICATION NOTES

This qualification is a specialist wool classing qualification for wool classers and enables them to apply for registration with AWEX Ltd as a professional Australian wool classer.

The qualification is the minimum mandatory requirement for persons wishing to apply to the Australian Wool Exchange Ltd for registration as an Australian Wool Classer.

Job titles may include:

Australian Wool Classer

PACKAGING RULES

Completion of **twelve (12) units** made up of:

- * twelve (12) core units

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS401A - Maintain OHS processes	

First Aid

HLTAID003 - Apply first aid	
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Wool

AHCWOL301A - Appraise wool using industry descriptions	
AHCWOL303A - Prepare wool based on its characteristics	
AHCWOL304A - Prepare fleece wool for classing	
AHCWOL305A - Prepare skirtings and oddments	
AHCWOL307A - Document a wool clip	
AHCWOL401A - Determine wool classing strategies	
AHCWOL403A - Prepare for, implement and review wool harvesting, clip preparation and classing	
AHCWOL404A - Establish work routines and manage wool harvesting and preparation staff	
AHCWOL405A - Class fleece wool	

Work

AHCWRK401A - Implement and monitor quality assurance procedures	
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CERTIFICATE II IN WOOL HANDLING – (AHC21410)

QUALIFICATION NOTES

This qualification provides an entry level occupational outcome in wool handling. The wool industry expects this qualification to be achieved to meet job outcomes at this level.

Job titles may include:

Wool handler

PACKAGING RULES

Completion of **eight (8) units** made up of:

- a) seven (7) core units
- b) a maximum of one (1) unit may be selected from Certificates II or III in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in the wool handling industry.

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS201A - Participate in OHS processes	

Shearing

AHCSHG202A - Assist in preparing for shearing and crutching	
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Wool

AHCWOL201A - Pen sheep	
AHCWOL202A - Perform board duties	
AHCWOL203A - Carry out wool pressing	

Work

AHCWRK202A - Observe environmental work practices	
AHCWRK204A - Work effectively in the industry	

CERTIFICATE III IN ADVANCED WOOL HANDLING – (AHC33110)

QUALIFICATION NOTES

This qualification focuses on a specialist wool handling role and allows individuals who are already working in the wool handling industry to develop further skills and knowledge in order to fulfil specialist roles in the organisation. The wool industry expects this qualification to be achieved to meet job outcomes at this level.

Job titles may include:

Shearing shed hand

Wool handler

PACKAGING RULES

Completion of **eight (8) units** made up of:

- * eight (8) core units

CORE UNITS

Occupational Health and Safety

	NOTES
AHCOHS301A - Contribute to OHS processes	

Wool

AHCWOL201A - Pen sheep	
AHCWOL304A - Prepare fleece wool for classing	
AHCWOL305A - Prepare skirtings and oddments	
AHCWOL308A - Prepare facilities for shearing and crutching	
AHCWOL310A - Press wool for a clip	
AHCWOL311A - Perform shed duties	

Work

AHCWRK306A - Comply with industry quality assurance requirements	
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AHC10 QUALIFICATIONS AND AUSTRALIAN APPRENTICESHIPS GUIDE

What is a Training Package?

A training package is a set of nationally endorsed and recognized competencies and qualifications that are used to describe the level of knowledge and skills required by an individual to work effectively in the workplace. Training packages are developed and endorsed by industry through national Industry Skills Councils and are designed to meet the training needs of a specific industry, industry sector or enterprise.

Each training package is made up of three key components each of which is endorsed by the National Skills Standards Council (NSSC). The three 'components' are: - Competency Standards; Assessment Guidelines and Qualifications Framework.

Responsibility for the development, implementation and on-going review of the Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10) rests with AgriFood Skills Australia. AgriFood Skills Australia is one of a number of Industry Skills Councils that work in conjunction with industry, industry representative bodies, training organisations, affiliated organisations in each of the States and Territories and other interested parties to undertake this work. For more detailed information about the role and responsibilities of AgriFood Skills Australia within the industry training sector and, for specific information about training packages in particular, visit their website at www.agrifoodskills.net.au.

The Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10) is a relatively new training package and is the result of several years of planning, extensive industry consultation, product development and on-going review. The training package is the amalgamation of three earlier and quite separate training packages namely the Rural Production Training Package, the Amenity Horticulture Training Package and the Conservation and Land Management Training Package all of which had been the basis for training delivery in their respective industry sectors since 2002/03. The first version of the AHC10 Training Package was released in June 2011 and since then the document has been updated a number of times as part of an on-going review process.

The training pathway chart, which is a part of this information package, is designed to provide an insight into the qualification pathways, the various points of entry into the training and the levels of qualifications available in the agricultural industry sector.

How to Gain a Qualification

There are four ways of obtaining a qualification from the Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10):

- 1. Australian Apprenticeships** – an employment based training arrangement that combines practical work experience with an underpinning theory based component. Training is delivered utilising a variety of different delivery methods by a Registered Training Organisation that also assesses the Australian Apprentice and awards an appropriate qualification on successful completion.
- 2. Skills Recognition** – this is a process whereby individuals gather evidence to demonstrate their skills and knowledge base and, if deemed competent, may be awarded an appropriate qualification (e.g. Certificate IV in Agribusiness).
- 3. Study with a Registered Training Organisation (RTO)** – by enrolling in any of the qualifications listed in the Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10) at an appropriate TAFE College, private Registered Training Organisation or Agricultural College.
- 4. Complete a VET in Schools Qualification** – normally at the Certificate I and II level while participating in compulsory schooling.



The Importance of Gaining a Qualification

Owning, managing or working in any enterprise or organization associated with the agriculture, horticulture and conservation and land management industries provides individuals with the opportunity to acquire knowledge and develop skills related to those industries. A person who has had hands on experience in the workplace may have performed a number of different tasks such as, the safe handling of stock, the control and application of chemicals, the maintenance of parks and gardens, financial tasks associated with the running of a business or perhaps, the management of employees and contractors and will have acquired both knowledge and skills as a consequence of that experience. These skills may be highly valued in the general workforce but, in many instances, individuals may not have the formal documentation to demonstrate the extent of the knowledge and skills they have acquired. This often puts them at a disadvantage when applying for jobs. Without the support of the relevant documentation some job applicants may lack the confidence and ability to convey the full scope of their knowledge and skills to a prospective employer. **Obtaining a qualification can assist in overcoming this problem and open up a host of employment opportunities.**

When thinking about job and career opportunities there are national training and qualification pathways in agriculture, horticulture and conservation and land management that individuals can follow to pursue their employment and career interests. Details of the range of qualifications available and the industry specific pathways are included at the end of this booklet.

A number of jobs in industry require a person to have a prescribed qualification in order to perform the duties of the job. For example, some Departments of Agriculture require that their Technical and Quarantine Officers are graduates with Certificate III or Certificate IV level qualifications in agriculture. Similarly, many training institutions require their teaching staff to hold a Diploma or Advanced Diploma level qualification. **Having a qualification can greatly enhance an individual's career prospects.**

Individuals may receive credit for studies they have undertaken at a TAFE College or Registered Training Organisation in relation to higher level studies. Some tertiary institutions will accept or recognize the completion of higher level AHC10 qualifications to gain entry and/or credit into various degree programs. Individuals are advised to check available arrangements, if any, with individual tertiary institutions.

What is Skills Recognition?

Skills Recognition is the formal acknowledgement of the skills, knowledge and competencies that a person has acquired through previous formal or informal training, work experience and/or life experience. For a fee a person can apply to have their skills assessed by a qualified assessor against the national competencies for the industry and can be awarded a qualification, or part of a qualification, based on their practical knowledge and experience. The skills recognition process helps overcome the need for people to spend unnecessary time in the classroom going over work that they already know. For example, a person who has spent time working in a farming environment may have acquired a range of skills related to their experience (e.g. the operation and maintenance of machinery, the handling of chemicals, the management of livestock). These skills can be assessed as part of the Skills Recognition process and can contribute towards a qualification. Skills Recognition processes are sometimes referred to as Recognition of Prior Learning (RPL) processes or Recognition of Current Competency (RCC) processes.

For further information on skills recognition contact a TAFE college, private Registered Training Organisation or an Agricultural College.



Rural Skills Australia – Contact Details

Rural Skills Australia has representatives in each of the States and the ACT who can be contacted for advice on matters relating to the *Agriculture, Horticulture and Conservation and Land Management Training Package*.

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AHC10 PATHWAYS – SERVICES/IRRIGATION

