



Australian Government

Department of Education, Employment and Workplace Relations

AHC41512 Certificate IV in Seed Testing

Release 1

AHC41512 Certificate IV in Seed Testing

Modification History

Release	TP Version	Comments
1	AHC10v4	Initial release

Description

This Qualification provides a vocational outcome in seed testing and analysis.

Pathways Information

Pathways into the Qualification

The preferred pathway for entry to this Qualification is AHC33512 Certificate III in Seed Testing.

Pathways from the Qualification

Further training pathways from this qualification include, but are not limited to, MSL50109 Diploma of Laboratory Technology.

Additional Qualification advice

This qualification is suitable for an Australian Apprenticeship.

Licensing/Regulatory Information

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

Entry Requirements

Entrants into AHC41512 Certificate IV in Seed Testing are required to hold the following Units of Competency:

- 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 determination of other seeds by number
- AHCOHS301A Contribute to OHS processes
- AHCWRK306A Comply with industry quality assurance requirements
- AHCWRK313A Implement and monitor environmentally sustainable work practices

Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this Qualification include:
Communication	• Complete workplace documentation and records • Use a range of communication technologies to support work operations • Develop work instructions, specifications and procedures • Demonstrate effective and appropriate communication and interpersonal skills when dealing with people • Communicate with all team members in a professional manner • Demonstrate effective and appropriate documentation, communication and interpersonal skills when dealing with internal and external clients • Use most appropriate communication method given priority, cost and audience needs • Access, interpret and apply technical information • Analyse data and information to determine implications for work operations
Teamwork	• Work cooperatively with people of different ages, gender, race or religion • Liaise with and provide support to other team members • Demonstrate leadership skills • Identify and manage performance required to meet internal and external customer needs in own work and team work • Manage organisational processes and provide problem solving support to others
Problem-solving	• Investigate problem causes • Identify, rectify or report potential and actual problems associated with work operations • Identify factors which may affect the product or service to be provided • Use material and process knowledge to solve problems • Identify hazards and suggest control measures • Monitor food safety practices
Initiative and enterprise	• Gather and analyse feedback on products, processes and procedures • Assess quality and other indicators of products • Support achievement of efficient production processes • Determine and act on situations requiring further information or problem solving • Assist in the implementation of continuous improvement processes

	• Provide leadership in the workplace
Planning and organising	• Identify hazards and implement appropriate hazard control measures • Demonstrate time management skills • Source and prepare materials and resources and ensure availability to support work operations • Schedule and sequence work to maximise safety and productivity • Optimise work processes
Self-management	• Interpret and apply relevant acts and regulations • Keep the work area clean and tidy at all times • Monitor own work and work of team and identify and act on any quality issues • Manage own time to meet deadlines • Implement and monitor workplace procedures and instructions
Learning	• Implement learning activities as appropriate to ensure achievement of specified work requirements • Be supportive, assertive and use interpersonal skills to encourage workplace learning • Identify own training needs and seek skill development if required • Gather feedback to own work to assess effectiveness in meeting objectives and integrate information into own practice • Assess work data and information to identify areas for improved performance
Technology	• Work with technology safely and according to workplace standards • Help others use technology efficiently and safely • Ensure readiness and operational efficiency of workplace technology

Packaging Rules

Complete **eighteen (18)** Units of Competency comprised of **nine (9)** core Units and **nine (9)** elective Units.

Core Units of Competency

Unit code	Unit title
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
AHCOHS401A	Maintain Occupational Health and Safety (OHS) processes
AHCWRK401A	Implement and monitor quality assurance procedures
AHCWRK403A	Supervise work routines and staff performance

Elective Units of Competency

- Select **five (5)** Units from the Elective list below.
- Select **four (4)** Units from the list below and/or this or any other endorsed Training Package or accredited course at Certificate II, III or IV level.

Selected Units must be relevant to job outcomes in a seed testing laboratory.

Unit code	Unit title
AHCSDT401A	Maintain a quarantine approved laboratory
AHCSDT403A	Perform an Anguina test on annual ryegrass seed
AHCSDT405A	Handle & store quarantinable materials
AHCSDT407A	Perform an endophytic seed test

AHCSDT408A	Perform an electrophoresis test on a seed sample
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