



**Australian Government**

# **AUR30416 Certificate III in Agricultural Mechanical Technology**

**Release 2**

## AUR30416 Certificate III in Agricultural Mechanical Technology

### Modification History

Release	Comment
Release 2	Updates to elective bank.
Release 1	New qualification.

### Qualification Description

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of agricultural machinery in the automotive retail, service and repair industry.

### Entry Requirements

This qualification may be accessed by direct entry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

### Packaging Rules

Total number of units = 36

24 core units, plus

12 elective units, of which:

- up to 12 units may be chosen from the Elective Units listed below
- up to 6 units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

#### Core Units

Unit code	Unit title
AURACA001	Respond to customer needs and enquiries in an automotive

Unit code	Unit title
	workplace
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURAF003	Communicate effectively in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURETR012	Test and repair basic electrical circuits
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURETR029	Diagnose and repair charging systems
AURETR030	Diagnose and repair starting systems
AURHTE002	Diagnose and repair heavy vehicle compression ignition engines
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems
AURHTQ003	Diagnose and repair heavy vehicle drive shafts
AURKTA011	Diagnose and repair mobile plant hydraulic systems
AURKTB001	Diagnose and repair mobile plant braking systems
AURKTD002	Diagnose and repair mobile plant steering systems
AURKTQ001	Diagnose and repair mobile plant final drive assemblies
AURKTX001	Diagnose and repair powershift transmissions
AURTTA004	Carry out servicing operations
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA018	Carry out diagnostic procedures
AURTTB001	Inspect and service braking systems
AURTTC003	Diagnose and repair cooling systems
AURTTE004	Inspect and service engines
AURTTF002	Inspect and service diesel fuel injection systems
AURTTK002	Use and maintain tools and equipment in an automotive workplace

## Elective Units

Unit code	Unit title
AURETR020	Diagnose and repair network electronic control systems
AURETR021	Inspect, service and repair electronic management, monitoring and tracking systems
AURETR024	Diagnose and repair compression ignition engine management systems
AURETR032	Diagnose and repair automotive electrical systems
AURETU003	Service air conditioning and HVAC systems
AURETU004	Diagnose and repair air conditioning and HVAC systems
AURETU005	Retrofit and modify air conditioning and HVAC systems
AURHTD003	Diagnose and repair heavy commercial vehicle suspension systems
AURHTE001	Remove and install heavy vehicle engine assemblies
AURHTJ003	Remove, inspect and refit heavy vehicle wheel and tyre assemblies
AURHTJ004	Remove, inspect, repair and refit agricultural equipment tyres and tubes
AURHTJ006	Remove, inspect, repair and refit heavy vehicle tyres and tubes
AURHTQ002	Diagnose and repair heavy commercial vehicle final drive assemblies
AURHTX001	Diagnose and repair heavy vehicle manual transmissions
AURHTX004	Diagnose and repair heavy vehicle clutch systems
AURHTZ001	Diagnose and repair heavy vehicle emission control systems
AURKTA001	Synchronise plant and equipment
AURKTA002	Inspect, service and repair crop harvesting equipment
AURKTA003	Inspect, service and repair crop planting and seeding equipment
AURKTA004	Inspect, service and repair spraying and spreading equipment
AURKTA005	Inspect, service and repair track type drive and support systems

<b>Unit code</b>	<b>Unit title</b>
AURKTA010	Inspect, service and repair hay cutting, raking and baling equipment
AURKTD001	Diagnose and repair mobile plant suspension systems
AURKTX004	Diagnose and repair continuously variable transmissions
AURTTA006	Inspect and service hydraulic systems
AURTTA007	Inspect, service and repair pneumatic systems
AURTTA011	Install hydraulic systems to specified applications
AURTTA012	Fabricate and install fluid power hose assemblies
AURTTA014	Assemble and install pneumatic system components
AURTTB004	Inspect and service air braking systems
AURTTD002	Inspect and service steering systems
AURTTD004	Inspect and service suspension systems
AURTTF005	Diagnose and repair engine forced-induction systems
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURTTQ001	Inspect and service final drive assemblies
AURTTQ003	Inspect and service drive shafts
AURTTX002	Inspect and service manual transmissions
AURTTX004	Inspect and service hydrostatic transmissions
AURTTX006	Diagnose and repair hydrostatic transmissions
AURTTZ002	Diagnose and repair exhaust systems
AURVTW001	Carry out manual metal arc welding on components
AURVTW003	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW004	Carry out tungsten inert gas welding
AURVTW009	Carry out basic gas metal arc welding
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting

## **Qualification Mapping Information**

Equivalent to AUR30412 Certificate III in Agricultural Mechanical Technology

### **Links**

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>