

AUR30425 Certificate III in Agricultural Mechanical Technology

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.

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

Entry Requirements

Nil.

Packaging Rules

Total number of units = 36

21 core units, plus

15 elective units, of which:

- all **15** units may be from the elective units listed below
- up to **6** units may be from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.

Core Units

AURACA101 Respond to customer needs and enquiries in an automotive workplace

AURAEA002 Follow environmental and sustainability best practice in an automotive workplace

AURASA102 Follow safe working practices in an automotive workplace

AURETR112 Test and repair basic electrical circuits

AURETR125 Test, charge and replace batteries and jump-start vehicles

AURETR129 Diagnose and repair charging systems

AURETR130 Diagnose and repair starting systems

AURHTE102 Diagnose and repair heavy vehicle compression ignition engines

AURHTF102 Diagnose and repair heavy vehicle diesel fuel injection systems

AURKTA111 Diagnose and repair mobile plant hydraulic systems

AURKTB101 Diagnose and repair mobile plant braking systems

AURKTD102 Diagnose and repair mobile plant steering systems

AURKTQ101 Diagnose and repair mobile plant final drive assemblies

AURKTX101 Diagnose and repair powershift transmissions
AURTTA104 Carry out servicing operations
AURTTA118 Develop and carry out diagnostic test strategies
AURTTB101 Inspect and service braking systems
AURTTC103 Diagnose and repair cooling systems
AURTTE104 Inspect and service engines
AURTTF102 Inspect and service diesel fuel injection systems
AURTTK102 Use and maintain tools and equipment in an automotive workplace

Elective Units

AURAF103 Communicate effectively in an automotive workplace
AURETH101 Depower and reinitialise battery electric vehicles
AURETH017 Work safely with hydrogen in the automotive industry
AURETH018 Inspect and service fuel cell components*
AURETR051 Diagnose, repair and replace precision agriculture systems
AURETR120 Diagnose and repair network electronic control systems
AURETR121 Diagnose, repair and replace electronic management, monitoring and tracking systems
AURETR124 Diagnose and repair compression ignition engine management systems
AURETR132 Diagnose and repair automotive electrical systems
AURETU103 Service air conditioning and HVAC systems
AURETU104 Diagnose and repair air conditioning and HVAC components
AURETU105 Retrofit automotive air conditioning and HVAC systems
AURHTD103 Diagnose and repair heavy commercial vehicle suspension systems
AURHTE001 Remove and install heavy vehicle engine assemblies
AURHTJ103 Remove, inspect and refit heavy vehicle wheel and tyre assemblies
AURHTJ104 Remove, inspect, repair and refit agricultural equipment tyres and tubes
AURHTJ106 Remove, inspect, repair and refit heavy vehicle tyres and tubes
AURHTL101 Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines
AURHTQ102 Diagnose and repair heavy commercial vehicle final drive assemblies
AURHTQ103 Diagnose and repair heavy vehicle drive shafts
AURHTX101 Diagnose and repair heavy vehicle manual transmissions
AURHTX104 Diagnose and repair heavy vehicle clutch systems
AURHTZ101 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

AURKTA010 Inspect, service and repair hay cutting, raking and baling equipment
AURKTD101 Diagnose and repair mobile plant suspension systems
AURKTX104 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
AURTTA105 Select and use bearings, seals, gaskets, sealants and adhesives
AURTTB004 Inspect and service air braking systems
AURTTD002 Inspect and service steering systems
AURTTD004 Inspect and service suspension systems
AURTTF105 Diagnose and repair engine forced-induction systems
AURTTK001 Use and maintain measuring equipment in an automotive workplace
AURTTL003 Install CNG fuel systems
AURTTL009 Install LPG fuel systems
AURTTL104 Inspect and service LNG fuel systems
AURTTL105 Diagnose and repair LNG fuel systems
AURTTQ001 Inspect and service final drive assemblies
AURTTQ103 Inspect and service drive shafts
AURTTX102 Inspect and service manual transmissions
AURTTX104 Inspect and service hydrostatic transmissions
AURTTX106 Diagnose and repair hydrostatic transmissions
AURTTZ102 Diagnose and repair exhaust systems
AURVTW018 Carry out oxyacetylene welding, thermal heating and cutting
AURVTW101 Carry out manual metal arc welding on components
AURVTW103 Carry out advanced gas metal arc welding on vehicle body sections
AURVTW104 Carry out tungsten inert gas welding
AURVTW109 Carry out basic gas metal arc welding

UNIT IN THIS QUALIFICATION	PREREQUISITE UNIT
AURETH018 Inspect and service fuel cell components	AURETH101 Depower and reinitialise battery electric vehicles AURETH017 Work safely with hydrogen in the automotive industry

Qualification Mapping Information

AUR30420 Certificate III in Agricultural Mechanical Technology.

Links

[Link to Companion Volume Implementation Guide](#)

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