



Australian Government

AUR32016 Certificate III in Automotive Alternative Fuel Technology

Release 2

AUR32016 Certificate III in Automotive Alternative Fuel 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 install and repair alternative fuel systems and associated systems in the automotive retail, service and repair industry.

Entry Requirements

This qualification may be accessed by direct entry.

Licensing, legislative, regulatory or certification requirements apply to this qualification at the time of publication.

Packaging Rules

Total number of units = 23

11 core units, plus

12 elective units, of which:

- all units in one of the Specialist Elective Unit Groups A to C below must be chosen
- of the remaining units required to make up the elective unit total:
 - up to 10 units may be chosen from the Specialist Elective Unit Groups and the General Elective Units listed below
 - up to 4 units may be 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
AURAEA002	Follow environmental and sustainability best practice 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
AURTTA004	Carry out servicing operations
AURTTA018	Carry out diagnostic procedures
AURTTC001	Inspect and service cooling systems
AURTTE004	Inspect and service engines
AURTTF001	Inspect and service petrol fuel systems
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURTTZ001	Inspect and service emission control systems

Specialist Elective Unit Groups

Group A: CNG

Unit code	Unit title
AURTTL001	Inspect and service CNG fuel systems
AURTTL002	Diagnose and repair CNG fuel systems

Group B: LNG

Unit code	Unit title
AURTTL004	Inspect and service LNG fuel systems
AURTTL005	Diagnose and repair LNG fuel systems

Group C: LPG

Unit code	Unit title
AURTTL007	Inspect and service LPG fuel systems
AURTTL008	Diagnose and repair LPG fuel systems

General Elective Units

Unit code	Unit title
AURACA001	Respond to customer needs and enquiries in an automotive workplace
AURAF003	Communicate effectively in an automotive workplace
AURATA002	Read, interpret and apply engineering drawings
AURETR006	Solder electrical wiring and circuits
AURETR010	Repair wiring harnesses and looms
AURETR023	Diagnose and repair spark ignition engine management systems
AURETR024	Diagnose and repair compression ignition engine management systems
AURETR031	Diagnose and repair ignition systems
AURETR032	Diagnose and repair automotive electrical systems
AURHTL001	Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems
AURHTZ001	Diagnose and repair heavy vehicle emission control systems
AURLTE002	Diagnose and repair light vehicle engines
AURTTF006	Diagnose and repair petrol carburettor systems
AURTTL003	Install CNG fuel systems
AURTTL006	Install LNG fuel systems
AURTTL009	Install LPG fuel systems

Unit code	Unit title
AURTTL010	Install LPG, CNG and LNG electrical control equipment
AURTTW001	Carry out soft soldering techniques
AURVTW001	Carry out manual metal arc welding on components
AURVTW002	Carry out oxyacetylene brazing of 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 AUR32012 Certificate III in Automotive Alternative Fuel Technology

Links

Companion Volume Implementation Guides are found in VETNet -

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