



AUR30616 Certificate III in Light Vehicle Mechanical Technology

Course Description

This qualification provides the skills & knowledge to service and repair the mechanical parts of motor vehicles including the engine, transmission (clutch, gear box and differential) and the suspension systems (springs, steering, brakes, wheels and tyres). The apprentice will also perform tasks including:

- discussing problems with vehicle drivers to discover faults and carrying out their own diagnosis procedures
- repair and service cooling systems, fuel systems, air conditioning and emission control systems, clutch assemblies, manual and automatic transmissions, braking systems, final drive assemblies and steering and suspension systems.

Duration

Up to 48 Months

Delivery Model

Workplace

Fees

A student co-contribution fee is required in accordance with QLD government User Choice policy.

Course Structure

This qualification consists of 36 units:

- 20 Core units
- 16 Elective units

Units

Core

- 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
- AURETR023: Diagnose and repair spark ignition engine management systems
- AURETR025: Test, charge and replace batteries and jump-start vehicles
- AURETR029: Diagnose and repair charging systems
- AURETR030: Diagnose and repair starting systems
- AURETR031: Diagnose and repair ignition systems
- AURLTB003: Diagnose and repair light vehicle hydraulic braking systems
- AURLTD004: Diagnose and repair light vehicle steering systems
- AURLTD005: Diagnose and repair light vehicle suspension systems
- AURLTE002: Diagnose and repair light vehicle engines
- AURLTZ001: Diagnose and repair light vehicle emission control systems
- AURTTA004: Carry out servicing operations
- AURTTA018: Carry out diagnostic procedures
- AURTTB001: Inspect and service braking systems
- AURTTTC003: Diagnose and repair cooling systems
- AURTTTE004: Inspect and service engines
- AURTTTF001: Inspect and service petrol fuel systems
- AURTTTK002: Use and maintain tools and equipment in an automotive workplace

Electives

- AURETR036: Diagnose and repair electronically controlled suspension systems
- AURETR044: Diagnose and repair integrated engine and transmission management systems
- AURLTE001: Remove and install light vehicle engine assemblies
- AURLTF001: Diagnose and repair light vehicle mechanical fuel injection systems
- AURTTTF005: Diagnose and repair engine forced-induction systems
- AURLTX003: Diagnose and repair light vehicle clutch systems
- AURVTW003: Carry out advanced gas metal arc welding on vehicle body sections
- AURTTX002: Inspect an service manual transmissions
- AURTTQ003: Inspect and service drive shafts
- AURTTQ001: Inspect and service final drive assemblies
- AURTTA005: Select and use bearings, seals, gaskets, seats and adhesives
- AURLTX003: Diagnose and repair light vehicle clutch systems
- AURLTX001: Diagnose and repair light vehicle manual transmissions
- AURETR024: Diagnose and repair compression ignition engine management system
- AURETR043: Diagnose and repair electronic body management systems
- AURAF003: Communicate effectively in an automotive workplace