

AUR31216

CERTIFICATE III IN MOBILE PLANT TECHNOLOGY



DURATION

Up to 48
months



DELIVERY MODEL

Workplace

Course Description

The **AUR31216 Certificate III in Mobile Plant Technology** qualification is offered as an apprenticeship pathway and provides the skills and knowledge required to repair and maintain the mechanical systems and components of mobile plant vehicles and would suit those looking to become a mobile plant technician or diesel fitter. It would also be suitable for existing workers without a formal qualification looking to upskill or get recognised for their extensive industry experience.

Minimum Age: 17 Years

Course Fees

A student Co-Contribution fee is required in accordance with QLD Government User Choice Policy.

Course Structure

22 Core Units

14 Elective Units (1 must be selected from Group A or B)

Core Units

- **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
- **AURETR024:** Diagnose and repair compression 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
- **AURHTE002:** Diagnose and repair heavy vehicle compression ignition engines
- **AURHTF002:** Diagnose and repair heavy vehicle diesel fuel injection systems
- **AURKTA005:** Inspect, service and repair track type drive and support systems
- **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
- **AURTTA006:** Inspect and service hydraulic systems
- **AURTTA018:** Carry out diagnostic procedures
- **AURTTC003:** Diagnose and repair cooling systems
- **AURTTF005:** Diagnose and repair engine forced induction systems
- **AURTTK002:** Use and maintain tools and equipment in an automotive workplace
- **AURTTX006:** Diagnose and repair hydrostatic transmissions

Elective Units

- **AURHTB001:** Diagnose and repair heavy vehicle air braking systems
- **AURHTZ001:** Diagnose and repair heavy vehicle emission control systems
- **AURHTE001:** Remove and install heavy vehicle engine assemblies
- **AURTTF002:** Inspect and service diesel fuel injection systems
- **AURTTQ001:** Inspect and service final drive assemblies
- **AURHTX004:** Diagnose and repair heavy vehicle clutch systems
- **AURTTA005:** Select and use bearings, seals, gaskets, sealants and adhesives
- **AURHTQ003:** Diagnose and repair heavy vehicle drive shafts
- **AURTTB001:** Inspect and service braking systems
- **AURTTB004:** Inspect and service air braking systems
- **AURTTD004:** Inspect and service suspension systems
- **AURTTE004:** Inspect and service engines
- **AURVTW003:** Carry out advanced gas metal arc welding on vehicle body sections
- **AURETR032:** Diagnose and repair automotive electrical systems