



# AUR32721 CERTIFICATE III in AUTOMOTIVE ELECTRIC VEHICLE TECHNOLOGY

Study With Axial Training To Get The Skills and Succeed



This course provides foundational skills and knowledge for servicing and repairing key mechanical components in motor vehicles, including electric engines, transmission systems, and suspension, all while adhering to AS 5732 standards. You'll gain experience in consulting with vehicle owners to identify issues, performing diagnostic tests, and servicing a variety of automotive systems. This hands-on training will develop your abilities in both light and heavy vehicle mechanics. By completing this qualification, you'll be prepared to work as a certified electric vehicle mechanic.

**Study Mode** Workplace & Online

**Duration of Course** Up to 48 Months

**Total Units** 29 [16 Core & 13 Elective]



## Entry Requirements



### Employment

This accredited qualification is delivered as an Australian Apprenticeship.

Accordingly, you will need employment as an Apprentice at a suitable employer with a nominated Supervisor who holds this qualification (or recognised equivalent).



### Requirements

You will need to have access to a Lap Top or Desk Top Computer with working speakers or headphones and a suitable, reliable internet connection.



### Career Outcomes

Automotive Electric Vehicle Technician





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### Pathways To Further Study

Certificate III in Light Vehicle Mechanical Technology

Certificate III in Heavy Vehicle Mechanical Technology

Certificate III in Automotive Engine Re-Conditioning

### Course Units

#### Core:

AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA102	Follow safe working practices in an automotive workplace
AURETH101	Depower and reinitialise battery electric vehicles
AURETH102	Inspect and maintain battery electric vehicles*
AURETH104	Diagnose and repair traction motor speed control systems in battery electric vehicles
AURETH105	Diagnose and repair high voltage traction motors in battery electric vehicles
AURETH106	Diagnose and repair auxiliary motors and associated components in battery electric vehicles
AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles
AURETH108	Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle
AURETH109	Diagnose and repair DC to DC converters in battery electric vehicles*
AURETK002	Use and maintain electrical test equipment in an automotive workplace
AURETR112	Test and repair basic electrical circuits
AURETR125	Test, charge and replace batteries and jump-start vehicles
AURETU103	Service air conditioning and HVAC systems
AURTTA118	Develop and carry out diagnostic test strategies
AURTTK102	Use and maintain tools and equipment in an automotive workplace

#### Elective:

AURETH103	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles
AURETR132	Diagnose and repair automotive electrical systems
AURLTB103	Diagnose and repair light vehicle hydraulic braking systems
AURLTD104	Diagnose and repair light vehicle steering systems
AURLTD105	Diagnose and repair light vehicle suspension systems
AURLJ102	Remove, inspect, repair and refit light vehicle tyres and tubes
AURTTB101	Inspect and service braking systems
AURTTJ011	Balance wheels and tyres
AURFA103	Communicate effectively in an automotive workplace
AURETR006	Solder electrical wiring and circuits
AURETR122	Diagnose and repair vehicle dynamic control systems
AURETR143	Diagnose and repair electronic body management systems
AURETU104	Diagnose and repair air conditioning and HVAC components

#### CONNECT WITH US FOR MORE



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