

## DUAL TRADE ELECTRIC & LIGHT VEHICLE APPRENTICESHIP

### **AUR32721 CERTIFICATE III IN AUTOMOTIVE ELECTRIC VEHICLE TECHNOLOGY (LIGHT VEHICLE) AUR30620 CERTIFICATE III IN LIGHT VEHICLE MECHANICAL TECHNOLOGY**

Prepare for a dynamic career in automotive technology by enrolling in this comprehensive dual qualification program. Get ready to excel in the ever-evolving world of automotive mechanics and electric vehicle technology.

#### **Course Content**

This program offers learners the opportunity to specialise in Battery Electric Vehicle (BEV) technology while acquiring a broad foundation in light vehicle mechanical skills. It is designed to equip learners with the skills and principles to service and repair light vehicles, with a particular focus on emerging BEV systems and subsystems.

#### **Learning Outcomes**

To be awarded the AUR30620 Certificate III in Light Vehicle Mechanical Technology, learners must successfully complete 36 units of competency:

- 20 core (C), plus 16 elective (E) units.

To be awarded the AUR32721 Certificate III in Automotive Electric Vehicle Technology, learners must successfully complete 29 units of competency:

- 16 core (C) units, plus, 8 special elective (SE) units, plus 5 elective (E) units

Blocks	Code	Description	AUR30620	AUR32721
<b>Year 1</b>				
<b>AUR30620 Certificate III in Light Vehicle Mechanical Technology</b>				
<b>LV 1</b>	AURASA102	Follow safe working practices in an automotive workplace	C	C
	AURAEA002	Follow environmental and sustainability practices in an automotive workplace	C	C
	AURTTK102	Use and maintain tools and equipment in an automotive workplace	C	C
<b>LV 2</b>	AURTTA104	Carry out servicing operations	C	
	AURTTE104	Inspect and service engines	C	
	AURETR125	Test, charge and replace batteries and jump-start vehicles	C	C
<b>LV 3</b>	AURTTB101	Inspect and service braking systems	C	SE
	AURLTB103	Diagnose and repair light vehicle hydraulic braking systems	C	SE
	AURTTA118	Develop and carry out diagnostic test strategies	C	C
<b>LV 4</b>	AURTTTC103	Diagnose and repair cooling systems	C	
	AURTTTF101	Inspect and service petrol fuel systems	C	
	AURTTTF102	Inspect and service diesel fuel injection systems	E	
<b>LV 5</b>	AURETR006	Solder electrical wiring and circuits	E	
	AURETR112	Test and repair basic electrical circuits	C	C
	AURETR132	Diagnose and repair automotive electrical systems	E	SE

Year 2				
LV 15	AURETH101	Depower and reinitialise battery electric vehicles	E	C
	AURETH102	Inspect and maintain battery electric vehicles*	E	C
	AURETH011	Depower and reinitialise hybrid electric vehicles	E	E
LV 6	AURLTD104	Diagnose and repair light vehicle steering systems	C	SE
	AURVTA002	Remove and replace vehicle supplementary restraint systems	E	E
LV 7	AURLTD105	Diagnose and repair light vehicle suspension systems	C	SE
	AURLTD106	Carry out light vehicle wheel alignment operations	E	
LV 8	AURTTX103	Inspect and service automatic transmissions	E	
	AURLTX103	Diagnose and repair light vehicle clutch systems	E	
	AURLTQ102	Diagnose and repair light vehicle drive shafts	E	
LV 10	AURLTE102	Diagnose and repair light vehicle engines	C	
Year 3				
LV 11	AURETR129	Diagnose and repair charging systems	C	
	AURETR130	Diagnose and repair starting systems	C	
LV 12	AURETR123	Diagnose and repair spark ignition engine management systems	C	
	AURETR131	Diagnose and repair ignition systems	C	
	AURLTZ101	Diagnose and repair light vehicle emission control systems	C	
LV 13	AURTTF105	Diagnose and repair engine forced-induction systems	E	
	AURETR124	Diagnose and repair compression ignition engine management systems	E	
LV 14	AURETU103	Service air conditioning and HVAC systems	E	C
	AURETU104	Diagnose and repair air conditioning and HVAC components	E	E
	AURETH108	Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicles*	E	SE
Year 4				
AUR32721 Certificate III in Automotive Electric Vehicle Technology (Light Vehicle)				
EV 8	AURETH103	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles*		C
	AURETH106	Diagnose and repair auxiliary motors and associated components in battery electric vehicles*		C
EV 10	AURETH104	Diagnose and repair traction motor speed control systems in battery electric vehicles		C
	AURETH105	Diagnose and repair high voltage traction motors in battery electric vehicles		C
EV 11	AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles*		C
	AURETH109	Diagnose and repair DC to DC converters in battery electric vehicles**		C
EV 12	AURETR122	Diagnose and repair vehicle dynamic control systems		E
	AURETR143	Diagnose and repair electronic body management systems		E
Additional	AURETK002	Use and maintain electrical test equipment in an automotive workplace		C
	AURLTJ102	Remove, inspect, repair and refit light vehicle tyres and tubes		SE
	AURTTJ011	Balance wheels and tyres		SE

\*As a pre-requisite unit AURETH101 is required

\*\*As a pre-requisite, units AURETH101 and AURETR125 are required

### Duration

The term for completion of both qualifications is 6 years. These dual-trade qualifications are completed concurrently, due to the duplication of the units of competency. We have clustered units of competency into blocks, which typically contain 2-3 units of competency. On completion of the 18 Blocks and additional units, it is expected there will be 6-18 months to finalise all assessments for the qualifications within the 6 years.

# COURSE INFORMATION



## Mode of Delivery

This can be completed through a combination of institutional training and workplace-based training and assessments, to provide practical, hands-on experience within the actual work environment.

## Benefits for Apprentices and Employers

- The program is structured over 3 years and apprentices will only be off the job for 3 days at a time, per block. This minimises disruptions to employer schedules and employers.
- Each year, a specific set of units are undertaken, ensuring clear progress tracking for apprenticeships.
- Employers have a defined number of days for classroom training which are allocated to the learners at the beginning of the year, reducing impact on workplace operations.
- Each apprentice is allocated a minimum number of contact hours in the workplace with their Trainer Assessor. This will assist the apprentice in transferring their learning into practical application in the workplace.
- The program accommodates remedial training (if needed) to ensure successful progression.
- This program will address the future requirements for the industry and produce skilled and effective tradespeople.

## Fee Structure

Course Codes and Titles	Tuition Fees		Resource Fees	Total Fees	
	Non-concession	Concession		Non-concession	Concession
<b>AUR30620</b> - Certificate III in Light Vehicle Mechanical Technology* <b>LOWER FEES LOCAL SKILLS</b>	\$1,644.30	\$487.20	\$1,213.50	\$2,857.80	\$1,700.70
<b>AUR32721</b> - Certificate III in Automotive Electric Vehicle Technology (Light Vehicle) (This fee covers the additional units that are not delivered in AUR30620)	\$1,218.75	\$350.65	\$350.65	\$1,569.40	\$701.30
<b>Fee Grand Total</b>				<b>\$4,427.20</b>	<b>\$2,402.00</b>

\*In 2024 the annual fee cap for non-concession learners undertaking a Lower Fees, Local Skills (LFLS) course is \$1,200.00. For concession learners and youth, the annual fee cap is \$400 (plus resources fees). The LFLS incentive pricing applies to WA Residents only. Additional fees may apply.

All learners are treated equitably, having regard to their particular needs, in order to ensure the provision of every reasonable opportunity for the learner to acquire the competencies of the qualification.

## Entry Requirements

This course is part of an apprenticeship, so you need to be employed in a training contract with a suitable organisation to enrol.

[Please contact our Registered Training Organisation for more information](#)

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