



**ON-THE-JOB TRAINEESHIP**

**Course Overview**

Learners develop the principles underpinning the operation of vehicle electric systems and subsystems. They learn to use electrical measuring equipment; develop skills in interpreting wiring diagrams; testing electrical circuits to confirm correct operation including lighting and ancillary systems, charging and starting systems; basic troubleshooting and soldering techniques. Learners develop safe working practices and environmental awareness when developing solutions to planning and managing automotive vehicle electrical systems.

**Learning Outcomes**

To be awarded the AUR20420 Certificate II in Automotive Electrical Technology, learners must successfully complete the following 16 units of competency: 10 core (C) units plus six 6 elective (E) units.

Please note: this is a sample course outline and the elective units may change

Unit Code	Title	Hours	Core/ Elective
<b>Block 1</b>			
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	20	C
AURASA102	Follow safe working practices in an automotive workplace	20	C
AURTTK102	Use and maintain tools and equipment in an automotive workplace	30	E
AURTTK001	Use and maintain measuring equipment in an automotive workplace	16	E
<b>Block 2</b>			
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems	18	C
AURETR116	Read and apply vehicle wiring schematics and drawings	10	E
<b>Block 3</b>			
AURETR115	Inspect, test and service batteries	20	C
AURETK002	Use and maintain electrical test equipment in an automotive workplace	18	C
<b>Block 4</b>			
AURETR112	Test and repair basic electrical circuits	30	C
AURATA001	Identify basic automotive faults using troubleshooting processes	24	E
<b>Block 5</b>			
AURETR006	Solder electrical wiring and circuits	20	C
AURETR009	Install vehicle lighting and wiring systems	20	C
AURETR011	Install basic ancillary electrical systems and components	20	C

Block 6			
AURETR008	Remove and replace electrical units and assemblies	15	C
AURETR013	Inspect, test and service charging systems	10	E
AURETR014	Insect, test and service starting systems	10	E
<b>Total Hours</b>		<b>301</b>	

### Further Learning

Further training pathways from this qualification include AUR30620 Certificate III in Light Vehicle Mechanical Technology, AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology, and AUR30320 Certificate III in Automotive Electrical Technology along with many other certificate qualifications within the Automotive Retail, Service and Repair Training Package.

### Duration

The qualification is delivered through on-the-job training at the learner's workplace with a structured program covering 6 blocks over the course of a 9-month Traineeship contract. The qualification is delivered at regular intervals (usually monthly visits) structured around the needs of the individual trainee. The duration of the visits may vary (generally 2-4 hours). The visit will involve theory and practical training, as well as assessment opportunities.

### Mode of delivery

The Trainer Assessor will schedule visits at least monthly to conduct training and carry out assessment in order to confirm development of competency.

This program will be delivered through a range of teaching and learning strategies in the learner's workplace. These include:

- Practical workshop-based tasks (these involve demonstration and practice activities in monitored work environments).
- Trainer-lead knowledge development through supportive text, PowerPoints, Autodata video and one-on-one conversation.
- Self-motivated study to support knowledge and practical skills development.
- Simulated workplace in one of our Training Centres if the workplace is unable to support a particular skill. The Trainer Assessor will organise for the learner to attend one of our Training Centres for simulated skill development and assessment. The Training Centre has equipment which reflects automotive industry workshop standards.

### Course Fees

Full Fees	\$1239.25
Concession Rate	\$552.97

*\*Total course fees are indicative only and are subject to change given individual circumstances at enrolment. 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.

### Please contact our Registered Training Organisation for more information

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