AUR30320 Certificate III in Automotive Electrical Technology

DESCRIPTION

This qualification reflects the role of individuals who service, diagnose and repair electrical systems and components in vehicles in the automotive electrical service and repair industry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

ELIGIBILITY/ENTRY REQUIREMENTS

To ensure you have the right skills and support to succeed in your course, a Language, Literacy and Numeracy (LL&N) evaluation helps identify any areas where you may need additional support to help you achieve your goals.

To gain entry into AUR30320 Certificate III in Automotive Electrical Technology, candidates require:

- To be an Apprentice who has entered a Training Contract with their employer and Australian Apprenticeship Support Network NT.

Students will also need to wear work clothing suited to the automotive industry such as:
- Steel cap boots
- Safety glasses
- Protective clothing

DELIVERY DETAILS

Location(s)	Duration*	Study mode
Casuarina campus Alice Springs campus	3 years (full-time) 3 to 4 x 2 week blocks for 3 years	Face to face Simulated Workplace Workplace

* Duration will vary depending on how long a student takes to reach the required competency level.

FEES

Fee Type	2024 Course Fees
NT Government Supported*	$3,385.50 - $4,310.50
Full Fee	$18,300.00 – 23,300.00

*This course is supported by the NT Government for domestic eligible students who are NT residents. A limited number of NT Government supported places are available, so secure your place now.

Fees shown are indicative and subject to change annually. Actual course fees may vary depending on the units chosen. International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type.

For further clarification and information on fees, fee exemptions, payment options, instalment plans, and refunds, contact CDU on 1800 061 963 or refer to TAFE Fees and Payments

ASSESSMENT

Assessments vary with each unit. You will be provided with an assessment guide.

RECOGNITION OF PRIOR LEARNING (RPL)

RPL is a process that determines whether the skills, knowledge and experience you've gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, VET RPL.

RESOURCES

Students are issued with learning materials and handouts relevant to each unit during their scheduled block.

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to AUR40620 Certificate IV in Automotive Electrical Technology.

Possible occupations relevant to this qualification include:

- Automotive Electrical Technician
- Automotive Electrical Diagnostic Technician

QUALIFICATION CONTENT

To achieve AUR30320 Certificate III in Automotive Electrical Technology a total of thirty-two (32) units of competency must be completed comprising twenty-one (21) core and eleven (11) elective units as detailed in the packaging rules and listed below. The electives offered may vary between campuses.

CORE UNITS

AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA102	Follow safe working practices in an automotive workplace
AURETK002	Use and maintain electrical test equipment in an automotive workplace
AURETR006	Solder electrical wiring and circuits
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems
AURETR009	Install vehicle lighting and wiring systems
AURETR010	Repair wiring harnesses and looms
AURETR027	Install ancillary electronic systems and components
AURETR112	Test and repair basic electrical circuits
AURETR123	Diagnose and repair spark ignition engine management systems
AURETR124	Diagnose and repair compression ignition engine management systems
AURETR125	Test, charge and replace batteries and jump-start vehicles
AURETR128	Diagnose and repair instruments and warning systems
AURETR129	Diagnose and repair charging systems
AURETR130	Diagnose and repair starting systems

AURETR131	Diagnose and repair ignition systems
AURETR132	Diagnose and repair automotive electrical systems
AURETR135	Apply knowledge of petrol and diesel engine operation
AURETR143	Diagnose and repair electronic body management systems
AURTTA118	Develop and carry out diagnostic test strategies
AURTTE104	Inspect and service engines

ELECTIVE UNITS (Select 11)

AURETB101	Diagnose and repair electric braking systems
AURETD101	Diagnose and repair electronically controlled steering systems
AURETR011	Install basic ancillary electrical systems and components
AURETR017	Overhaul charging system alternators
AURETR018	Overhaul starting system motors
AURETR120	Diagnose and repair network electronic control systems
AURETR122	Diagnose and repair vehicle dynamic control systems
AURETR144	Diagnose and repair integrated engine and transmission management systems
AURETR236	Diagnose and repair electronically controlled suspension systems
AURTTA121	Diagnose complex system faults
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURETH101	Depower and reinitialize battery electric vehicles
AURETH102*	Inspect and maintain battery electric
AURETH011	Depower and reinitialize hybrid electric vehicles
AURETR026	Remove, replace and program electrical and electronic units and assemblies
AURETR005	Install automotive security systems and components
AURETU103	Service air conditioning and HVAC systems
AURETU104	Diagnose and repair air conditioning and HVAC components
AURETU105	Retrofit automotive air conditioning and HVAC systems
AURETU001	Install air conditioning systems

Pre-requisite unit;
*AURETH101 Depower and reinitialise battery electric vehicles

WITHDRAWING FROM A QUALIFICATION

You may withdraw from this qualification and receive, where relevant, a Statement of Attainment for all units of competency you have successfully completed.

SUPPORT SERVICES

The University supplies support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Student Advocacy, Indigenous Tutorial Support Services, International Student Support Services, Library Services, and VET Learner Support Services.

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More information is available at Student Support.

CONTACT DETAILS

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W.   https://www.cdu.edu.au/study/essentials

For further information regarding student life at CDU, please refer to https://www.cdu.edu.au/study/student-life.

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