

# AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology

## DESCRIPTION

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of heavy commercial vehicles in the automotive service and repair sector.

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 AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical 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	3 years (full-time)	Face to face
Alice Springs campus	3 to 4 x 2-week blocks per year for 3 years	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*	\$4,403.00
Full Fee	\$23,800.00

This course is supported by the NT Government for domestic [eligible](#) students who are NT residents.

\*For Regional and Remote only supported courses, the delivery location of the course needs to be listed on the NTG's [Delivery allowance for VET Funded Programs](#) with regional or remote as the location

category to be eligible. 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.

Computer and internet access may be required to source information and complete assessments.

## STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to:

- AUR40216 Certificate IV in Automotive Mechanical Diagnosis (CDU does not deliver),
- AUR40820 Certificate IV in Automotive Mechanical Overhauling (CDU does not deliver), or other relevant qualifications.

Possible occupations relevant to this qualification include:

- Heavy commercial vehicle technicians

## QUALIFICATION CONTENT

To achieve AUR31120 Certificate III in Heavy Vehicle Mechanical Technology a total of thirty-six (36) units of competency must be completed comprising twenty-two (22) core and fourteen (14) 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
AURETR112	Test and repair basic electrical circuits
AURETR122	Diagnose and repair vehicle dynamic control systems
AURETR124	Diagnose and repair compression ignition engine management systems
AURETR125	Test, charge and replace batteries and jump-start vehicles

AURETR129	Diagnose and repair charging systems
AURETR130	Diagnose and repair starting systems
AURHTB101	Diagnose and repair heavy vehicle air braking systems
AURHTD102	Diagnose and repair heavy commercial vehicle steering systems
AURHTD103	Diagnose and repair heavy commercial vehicle suspension systems
AURHTE102	Diagnose and repair heavy vehicle compression ignition engines
AURHTQ103	Diagnose and repair heavy vehicle drive shafts
AURHTZ101	Diagnose and repair heavy vehicle emission control systems
AURTTA006	Inspect and service hydraulic systems
AURTTA104	Carry out servicing operations
AURTTA118	Develop and carry out diagnostic test strategies
AURTTC103	Diagnose and repair cooling systems
AURTTF102	Inspect and service diesel fuel injection systems
AURTTF105	Diagnose and repair engine forced-induction systems
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURTTQ001	Inspect and service final drive assemblies

## ELECTIVE UNITS

AURETR144	Diagnose and repair integrated engine and transmission management systems
AURHTB002	Diagnose and repair heavy vehicle hydraulic and air over hydraulic braking systems
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems
AURHTQ102	Diagnose and repair heavy commercial vehicle final drive assemblies
AURHTX101	Diagnose and repair heavy vehicle manual transmissions
AURHTX103	Diagnose and repair heavy vehicle automatic transmissions
AURHTX104	Diagnose and repair heavy vehicle clutch systems
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA113	Diagnose and repair hydraulic systems
AURTTC001	Inspect and service cooling systems ( <i>unnamed</i> )
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting
AURVTW101	Carry out manual metal arc welding on components
AURVTW109	Carry out basic gas metal arc welding ( <i>unnamed</i> )

## 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.

More information is available at [Student Support](#).

## CONTACT DETAILS

Automotive, Transport and Civil

E. [vet.autocivil@cdu.edu.au](mailto:vet.autocivil@cdu.edu.au)

T. 08 8946 7506

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>.