

AUR31116 Certificate III in Heavy Commercial Vehicle Mechanical



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.

Infection control, including COVID-19 measures and the associated restrictions, have been implemented to ensure the safety and well-being of students, lecturing staff and the wider community.

ELIGIBILITY/ENTRY REQUIREMENTS

To gain entry into AUR31116 - Certificate III in Heavy Commercial Vehicle Mechanical Technology candidates require:

- a registered NT apprenticeship
- No licensing, legislative or certification requirements apply to this qualification at the time of publication.

DELIVERY DETAILS

| Location (s) | Duration | Study mode |
|--------------|---------------------------------|--|
| Casuarina | 6 Semesters / 3 years Full time | Predominately face to face delivery at a CDU facility, with theory and practical training and assessment utilising site specific requirements and documentation (where appropriate). Practical training and assessment will be either on site or a simulated workshop. |

2020 FEES

This course has a total of 1215 hours, and thus the qualification cost is:

NT Domestic Subsidised Fees: \$4,131.00

Domestic Full Fees: \$23,692.50

Please note: A limited number of NT Government subsidy places are available for eligible NT domestic students so contact us now to secure your place for 2020.

Fees are subject to change annually. Indicative government-subsidised and full course fees are shown on this document. For further clarification and information on fees, payment options, instalment plans and refunds contact CDU on 1800 061 963 or refer to <https://www.cdu.edu.au/cdu-vet/student-guide/fees>

ASSESSMENT

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

RECOGNITION OF PRIOR LEARNING (RPL)

Students can apply for RPL during pre-enrolment or after enrolment. Students are provided with an RPL Self-Assessment before application and followed through with and an initial interview with an assessor.

RESOURCES

Students are issued with some learning materials and handouts relevant to each unit.

Students will need to wear work clothing suited to the automotive industry such as:

- steel cap boots,
- safety glasses, and
- protective clothing.

Students will also require a calculator and pen and paper.

Students will require access to

- “Heavy Duty Truck Systems” Sean Bennett, Delmar Cengage Publishers
- “Medium / Heavy duty Truck Engines, Fuel and Computerised Management Systems”, Sean Bennett, Delmar Cengage Publishers.

in order to complete this course.

Limited copies are available from the Automotive training department and the CDU library for loan during the course.

Personal copies can and should be purchased from the CDU Bookshop or local bookstores.

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include, but are not limited to AUR40216 Certificate IV in Automotive Mechanical Diagnosis

Possible job titles relevant to this qualification include:

- Heavy commercial vehicle technicians

QUALIFICATION CONTENT

To achieve AUR31116 Certificate III in Heavy Commercial Vehicle Mechanical 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 |
| AURASA002 | Follow safe working practices in an automotive workplace |
| AURETRO12 | Test and repair basic electrical circuits |
| AURETRO22 | Diagnose and repair vehicle dynamic control systems |
| AURETRO24 | Diagnose and repair compression ignition engine management systems |
| AURETRO25 | Test, charge and replace batteries and jump-start vehicles |
| AURETRO29 | Diagnose and repair charging systems |
| AURETRO30 | Diagnose and repair starting systems |
| AURHTB001 | Diagnose and repair heavy vehicle air braking systems |
| AURHTD002 | Diagnose and repair heavy commercial vehicle steering systems |
| AURHTD003 | Diagnose and repair heavy commercial vehicle suspension systems |

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|-----------|---|
| AURHTE002 | Diagnose and repair heavy vehicle compression ignition engines |
| AURHTQ003 | Diagnose and repair heavy vehicle drive shafts |
| AURHTZ001 | Diagnose and repair heavy vehicle emission control systems |
| AURTTA004 | Carry out servicing operations |
| AURTTA006 | Inspect and service hydraulic systems |
| AURTTA018 | Carry out diagnostic procedures |
| AURTTC003 | Diagnose and repair cooling systems |
| AURTTF002 | Inspect and service diesel fuel injection systems |
| AURTTF005 | Diagnose and repair engine forced-induction systems |
| AURTTK002 | Use and maintain tools and equipment in an automotive workplace |
| AURTTQ001 | Inspect and service final drive assemblies |

ELECTIVE UNITS

| | |
|-----------|--|
| AURHTX001 | Diagnose and repair heavy vehicle manual transmissions |
| AURHTE001 | Remove and install heavy vehicle engine assemblies |
| AURHTQ002 | Diagnose and repair heavy commercial vehicle final drive assemblies |
| AURHTX004 | Diagnose and repair heavy vehicle clutch systems |
| AURHTB002 | Diagnose and repair heavy vehicle hydraulic and air over hydraulic braking systems |
| AURTTA013 | Diagnose and repair hydraulic systems |
| AURTTK001 | Use and maintain measuring equipment in an automotive workplace |
| AURHTF002 | Diagnose and repair heavy vehicle diesel fuel injection systems |
| AURHTX003 | Diagnose and repair heavy vehicle automatic transmissions |
| AURETR044 | Diagnose and repair integrated engine and transmission management systems |
| AURTTC001 | Inspect and service cooling systems |
| AURVTW018 | Carry out oxyacetylene welding, thermal heating and cutting |
| AURVTW009 | Carry out basic gas metal arc welding |
| AURVTW001 | Carry out manual metal arc welding on components |

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 Employment, Counselling, Disability Service, Equal Opportunity, Discrimination and Harassment advice, Australian Indigenous Student Support Services, Information Technology Services, International Student Support Services, Library Services, and Learner Support Services.

More information is available at - www.cdu.edu.au/study/student-life/student-support

CONTACT DETAILS

SCHOOL OF TRADES

Automotive & Civil

T. 08 8946 7506

E. automotiveandcivil@cdu.edu.au

W. www.cdu.edu.au/cdu-vet

Refer to the **VET Student Guide** www.cdu.edu.au/cdu-vet/student-guide for information regarding the enrolment process, student support services, student rights and responsibilities, previous studies recognition and the A-Z of other information.