

# 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.

## 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.

## 2019 FEES

This course is subsidised by the NT Government. The NT subsidy applies to eligible domestic students living in the NT and is **subject to available places**. The **full fee** will apply when funded places have been filled and for students that are ineligible for the NT Government subsidised rate.

Based on course nominal hours of 1195 hours, approximate 2019 course fees will be:

NT Government subsidised place: \$3,824.00

Full fees: \$23,302.50

For more information on fees, payment options, instalment plans and refunds contact CDU on 1800 061 963 or refer to [www.cdu.edu.au/cdu-vet/student-guide/fees](http://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 a Qualification 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
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
MEM05012C	Perform routine manual metal arc welding
MEM05050B	Perform routine gas metal arc welding
MEM05007C	Perform manual heating and thermal cutting

## 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](http://www.cdu.edu.au/study/student-life/student-support)

## CONTACT DETAILS

SCHOOL OF TRADES  
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W. [www.cdu.edu.au/cdu-vet](http://www.cdu.edu.au/cdu-vet)

Refer to the **VET Student Guide** [www.cdu.edu.au/cdu-vet/student-guide](http://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.