

AUR31216 - Certificate III in Mobile Plant 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.

ELIGIBILITY/ENTRY REQUIREMENTS

To gain entry into AUR31216 - Certificate III in Mobile Plant Technology candidates require:

- A registered NT apprenticeship.

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

- Steel cap boots
- Safety glasses
- Protective clothing

Students will need to demonstrate an appropriate level of language, literacy and numeracy skills and knowledge to undertake a course at this level.

DELIVERY DETAILS

Location (s)	Duration	Study mode
Casuarina	6 semesters / 3 years Full time.	Face to face practical training and assessment will be in a simulated workshop environment.

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 1180 hours, approximate 2019 course fees will be:

NT Government subsidised place: \$3,776.00

Full fees: \$23,010.00

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

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 prior to application and followed through with and an initial interview with an assessor.

RESOURCES

Students are issued with learning materials and handouts relevant to each unit. Students will also require a calculator and pen and paper.

Students will require access to the following to complete this course;

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

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 AUR40212 Certificate IV in Automotive Mechanical Diagnosis (CDU do not deliver), AUR40812 Certificate IV in Automotive Mechanical Overhauling (CDU do not deliver), or other relevant qualifications.

Possible occupations 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.

CORE UNITS

AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURETR012	Test and repair basic electrical circuits
AURETR024	Diagnose and repair compression ignition engine management systems
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURETR029	Diagnose and repair charging systems
AURETR030	Diagnose and repair starting systems
AURHTE002	Diagnose and repair heavy vehicle compression ignition engines
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems
AURKTA005	Inspect, service and repair track type drive and support systems
AURKTA011	Diagnose and repair mobile plant hydraulic systems
AURKTB001	Diagnose and repair mobile plant braking systems
AURKTD002	Diagnose and repair mobile plant steering systems
AURKTQ001	Diagnose and repair mobile plant final drive assemblies
AURKTX001	Diagnose and repair powershift transmissions
AURTTA004	Carry out servicing operations
AURTTA006	Inspect and service hydraulic systems
AURTTA018	Carry out diagnostic procedures
AURTTC003	Diagnose and repair cooling systems
AURTTF005	Diagnose and repair engine forced-induction systems
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURTTX006	Diagnose and repair hydrostatic transmissions

ELECTIVE UNITS

AURHTE001	Remove and install heavy vehicle engine assemblies
AURKTD001	Diagnose and repair mobile plant suspension systems
AURHTB001	Diagnose and repair heavy vehicle air braking systems

AURTTF002	Inspect and service diesel fuel injection systems
AURHTQ003	Diagnose and repair heavy vehicle drive shafts
AURHTX004	Diagnose and repair heavy vehicle clutch systems
AURHTX001	Diagnose and repair heavy vehicle manual transmissions
AURHTZ001	Diagnose and repair heavy vehicle emission control systems
AURETR044	Diagnose and repair integrated engine and transmission management systems
AURTTK001	Use and maintain measuring equipment in an automotive workplace
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

SCHOOL OF TRADES

Automotive & Civil
Casuarina

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.