

AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology

Course Outline

The **Certificate III in Heavy Commercial Vehicle Mechanical Technology (AUR31120)** equips students with the skills to service, diagnose, maintain, and repair heavy commercial vehicles across a range of mechanical and electrical systems. This nationally accredited qualification prepares individuals for a career as a heavy commercial vehicle mechanic. Through a combination of theoretical instruction and hands-on training, students develop skills to work on heavy vehicles and trailers over 4.5 tonnes. Key areas of study include diesel engines, transmissions, air braking systems, suspension, steering, electrical systems, and hydraulic and pneumatic components. The course is structured to develop strong technical, diagnostic, and problem-solving abilities, ensuring graduates are job-ready for roles in the heavy vehicle service and repair industry.

Educational pathway

After AUR31120, you can advance with:

- Certificate IV in Automotive Mechanical Diagnosis - for advanced diagnostics.
- Certificate IV in Automotive Management – for leadership/business roles.
- Specialist Certificates - e.g., light vehicle or automotive electrical technology.

Exit Pathway

Participants obtaining a competency in all units in the course would be awarded with a full qualification AUR31120 – Certificate III in Heavy Commercial Vehicle Mechanical Technology, this would include a Certificate and a Record of Result.

Participants who leave the course in the middle or not obtaining competencies for all units would receive a Statement of Attainment, indicating the actual number of units they have achieved competency.

Entry Requirements

Age Requirements

Students must be of 18 years of age to apply

Academic Requirements

Satisfactory completion of the equivalent of Australian Year 11 or higher

Physical Requirements

Must be physically able to work in the automotive industry, including safely lifting, carrying, and handling heavy equipment and parts (such as removing and installing engine electrical components).

English Proficiency Requirements

To enrol in the course at Innovative Institute, applicant must meet one of the following English language proficiency standards equivalent to an IELTS (General or Academic Overall) 6.0 with no individual band score less than 5.0.

IELTS (Academic or General) Overall	PTE Academic	TOEFL iBT	Cambridge English (CAE/C1 Advanced)	ELICOS (General English)
6.0 (No band less than 5.0)	50	64	169	N/A
5.5	42	46	Not accepted	10 weeks
5.0	36	35	Not accepted	20 weeks

Note:

- Results older than two years are not acceptable (for offshore applicants).
- For Level 1 countries students, they successfully complete Language, Literacy, Numeracy, and Digital skills (LLND) Test administered by Innovative Institute of Australia

Employment pathway:

- Completing AUR31120 – Certificate III in Heavy Commercial Vehicle Mechanical Technology can lead to employment as a Heavy Vehicle Mechanic, Diesel Technician, or Heavy Commercial Vehicle Technician in the automotive service and repair sector. It also provides pathways to further study in advanced automotive qualifications.
- Jobs are available in transport companies, dealerships, mining operations, logistics firms, and independent repair workshops.

Assessment Method

Assessment methods in AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology used will be one or more of:

- **Practical demonstrations:** Showing skills in servicing, diagnostics, and repairs.
- **Written tests:** Short-answer or multiple-choice questions on theory and safety.
- **Workplace observation:** Assessors watch students perform tasks in real or simulated settings.
- **Projects/assignments:** Case studies, repair reports, or diagnostic

Course Duration

The course spans 72 weeks, including scheduled term breaks. Students are required to attend 20 hours of classes/practical sessions per week, which include face-to-face instruction, simulated practical learning, and supervised assessment activities.

Independent study, such as homework, reading, or online research done at home, does not count toward the 20-hour requirement

Course Structure

Participants need to complete thirty-six (36) units of competencies.

This qualification has:

Core Units = 22

Elective units = 14

Course Structure

Unit Code	Name of Unit
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
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURTTC103	Diagnose and repair cooling systems
AURTTQ001	Inspect and service final drive assemblies
AURTTF102	Inspect and service diesel fuel injection systems
AURTTF105	Diagnose and repair engine forced-induction systems
Elective Units	
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURAF103	Communicate effectively in an automotive workplace
AURAMA001	Work effectively with others in an automotive workplace
AURTTD002	Inspect and service steering systems
AURETR143	Diagnose and repair electronic body management systems
AURTTB101	Inspect and service braking systems
AURHTX103	Diagnose and repair heavy vehicle automatic transmissions
AURTTA105	Select and use bearings, gaskets, sealants, and adhesives
AURETR120	Diagnose and repair network electronic control systems
AURETR132	Diagnose and repair automotive electrical systems
AURTTZ102	Diagnose and repair exhaust systems
AURACA101	Respond to customer needs and enquiries in an automotive workplace
AURTTE104	Inspect and service engines
AURTTX103	Inspect and service automatic transmissions

RPL/Credit Transfer

At Innovative Institute of Australia, we are committed to recognising the value of your prior learning and qualifications. We offer:

- **Recognition of Prior Learning (RPL):**

A formal assessment process that evaluates your existing skills and experience gained through work, training, or life to determine if you meet the requirements of specific course units.

- **Credit Transfer:** A process that grants recognition for equivalent units previously completed at other registered training organisations, without the need for reassessment. Students who have completed corresponding units of competency and/or units contained within the packaging rules can apply for Credit Transfer.

These processes are conducted in line with the Standards for RTOs 2025, specifically Standard 1.6 and 1.7, and are available to all eligible students.

If you wish to apply for RPL or Credit Transfer, please notify the Institute at the time of enrolment. For detailed procedures and eligibility criteria, please refer to the Student Handbook, which outlines our policies on RPL and Credit Transfer. We ensure a transparent, supportive, and efficient pathway to help you achieve your goals sooner.

Fee Structure

Admission Fees: (Non-refundable): \$250

Material Fees: (Not limited to books etc): \$1250

Tuition Fees: \$15,000

Total Course fees: \$16,500

Unless otherwise specified, Total course fees include all the training and assessment as well as required resources and textbooks for participants to achieve the qualification or course in which they are enrolling.

Campus/Delivery Site

The Institute's main campus is very closely located to the heart of beautiful suburb Oakleigh and its magnificent retail, cultural, dining and business districts.:

1A Palmerston Grove Oakleigh VIC 3166

with significant public transport access for surrounding areas.

Palmerston Grove is a busy street and has many small businesses and café's around. This location very close to Oakleigh Central and 450 meters from Oakleigh Metro station.

Simulated Automotive Workshop:

Unit 1 68 Fenton Street Huntingdale Vic 3166

Simulated Auto Workshop is conveniently located near Huntingdale Metro station.

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