

OCEANIA
COLLEGE OF TECHNOLOGY

AUR31120 CERTIFICATE III IN HEAVY COMMERCIAL VEHICLE MECHANICAL TECHNOLOGY

CRICOS COURSE CODE: 103605C

LEGAL ENTITY: GLOBAL TRAINING INNOVATIONS PTY. LTD.
TRADING NAME: OCEANIA COLLEGE OF TECHNOLOGY
RTO CODE: 40995
CRICOS CODE: 03413K

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HEAD OFFICE: 110 BEATTY ROAD,
ARCHERFIELD QLD 4108

QUALIFICATION 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.

This qualification is essential to become a heavy commercial vehicle technician. Successful completion of this course will allow students to become a qualified tradesperson servicing and repairing trucks, buses, earth-moving equipment, or tractors and other farming machinery.

According to the Australian Government's Job Outlook service, demand for qualified mechanics (including diesel mechanics) grew strongly over the past five years with employers finding it hard to fill vacancies. Job openings are expected to remain steady in the near future with around 23,000 job opening expected over the next five years.

In this course students will apply their practical skills and gain underpinning knowledge of how to diagnose problems, repair and service a range of systems and components of heavy vehicles and equipment. Students will repair and service engines, transmissions, cooling, steering and suspension systems, electrical circuits and systems, hydraulic and air braking systems, and diesel fuel injection systems. Students will also apply their skills and knowledge to complete heavy vehicle safety and roadworthy inspections.

Successful completion of this qualification will allow them to apply to become a qualified heavy vehicle tradesperson and continue your career in the industry.

Delivery Site/s

QLD - Brisbane

110 Beatty Rd, ARCHERFIELD, Queensland 4108

QLD – Gold Coast

Suite 102, Level 1, 9 Bay St, SOUTHPORT, Queensland 4215

NSW - Sydney

Level 6, 16-18 Wentworth St, Parramatta NSW, 2150, Australia

Mode of Delivery

Face to Face (20 hours per week) training and assessment with expected Independent Study of a minimum of 8 hours per week.

Weekly Timetable

Sample Timetable:

Monday: 8am – 5pm (including 1 hour break)

Tuesday: 8am – 5pm (including 1 hour break)

Wednesday: 8am – 12.15pm (including 15-minute break)

Learning Pathways

You may enrol in the following qualification/s upon the completion of this program to further enhance your knowledge and skills:

- AUR31520 - Certificate III in Automotive Diesel Engine Technology
- AUR31820 - Certificate III in Heavy Commercial Trailer Technology
- AUR40216 – Certificate IV in Automotive Mechanical Diagnosis
- AUR40820 – Certificate IV in Automotive Mechanical Overhauling
- AUR40520 - Certificate IV in Vehicle Loss Assessing
- AUR40116 - Certificate IV in Automotive Management

JOB OUTCOMES

Upon the successful completion of this program, you may be able to apply for the following positions in the Automotive Retail, Service and Repair Industry:

- Heavy Commercial Vehicle Technician
- Heavy Vehicle Mechanic
- Diesel Motor Mechanic

COURSE DURATION

This qualification will be delivered over 78 weeks including 70 weeks of training and assessment and 8 weeks of holidays.

Note that supplementary classes will be scheduled, and attendance required, should additional classes be required to allow for classes missed as a result of public holidays, or other interruptions, and/or for students who require further training and/or reassessment or additional support.

UNITS OF COMPETENCY

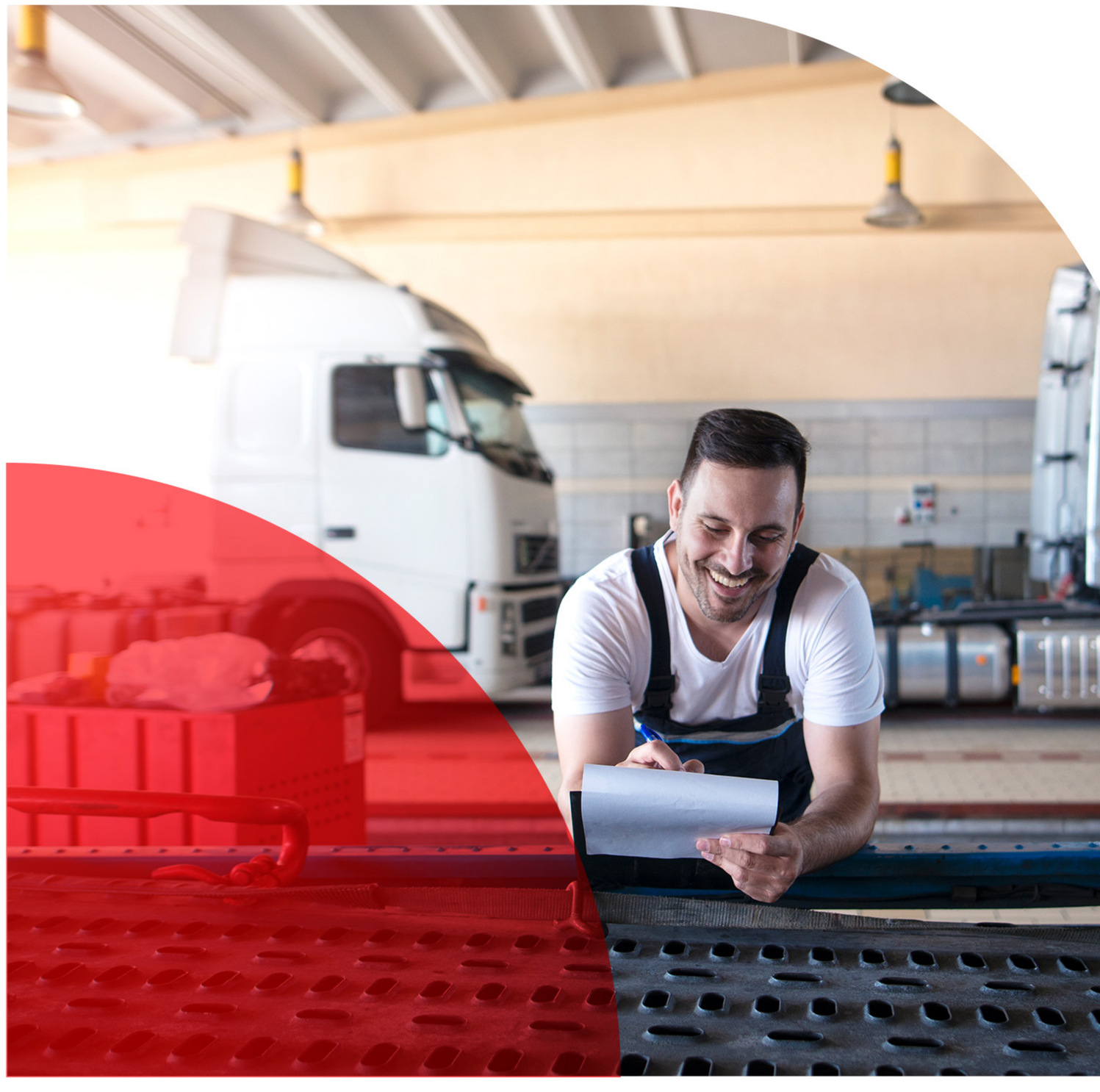
Completion of total number of 36 units are required for the award of the AUR31120 - Certificate III in Heavy Commercial Vehicle Mechanical Technology

Core units: 22 units

Elective units: 14 units, of which:

- 1 unit must be from one of the Specialist Elective Groups A or B listed in the AUR31120 qualification.
- of the remaining 13 units required to make up the elective unit total:
  - up to 13 may be from the Specialist Elective Groups and/or the general elective units listed in the AUR31120 qualification.
  - up to 6 may be from a Certificate II qualification or above in the AUR Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.



Unit Code	Unit Title	Core/ Elective
AURAEA002	Follow environmental and sustainability best practice in an automotive	Core
	workplace	
AURASA102	Follow safe working practices in an automotive workplace	Core
AURTTK102	Use and maintain tools and equipment in an automotive workplace	Core
AURETR112	Test and repair basic electrical circuits	Core
AURETR122	Diagnose and repair vehicle dynamic control systems	Core
AURETR124	Diagnose and repair compression ignition engine management systems	Core
AURETR125	Test, charge and replace batteries and jump-start vehicles	Core
AURETR129	Diagnose and repair charging systems	Core

AURETR130	Diagnose and repair starting systems	Core
AURHTB101	Diagnose and repair heavy vehicle air braking systems	Core
AURHTD102	Diagnose and repair heavy commercial vehicle steering systems	Core
AURHTD103	Diagnose and repair heavy commercial vehicle suspension systems	Core
AURHTE102	Diagnose and repair heavy vehicle compression ignition engines	Core
AURHTQ103	Diagnose and repair heavy vehicle drive shafts	Core
AURHTZ101	Diagnose and repair heavy vehicle emission control systems	Core
AURTTA006	Inspect and service hydraulic systems	Core
AURTTA104	Carry out servicing operations	Core
AURTTA118	Develop and carry out diagnostic test strategies	Core
AURTTC103	Diagnose and repair cooling systems	Core
AURTTF102	Inspect and service diesel fuel injection systems	Core
AURTTF105	Diagnose and repair engine forced-induction systems	Core
AURTTQ001	Inspect and service final drive assemblies	Core
AURAFA103	Communicate effectively in an automotive workplace	Elective
AURTTD002	Inspect and service steering systems	Elective
AURTTD004	Inspect and service suspension systems	Elective
AURHTX101	Diagnose and repair heavy vehicle manual transmissions	Elective
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives	Elective
AURTTX103	Inspect and service automatic transmissions	Elective
AURTTE104	Inspect and service engines	Elective
AURTTB101	Inspect and service braking systems	Elective
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems	Elective
AURETR144	Diagnose and repair integrated engine and transmission management systems	Elective
AURHTB002	Diagnose and repair heavy vehicle hydraulic and air over hydraulic braking	Elective
	systems	
AURHTQ102	Diagnose and repair heavy commercial vehicle final drive assemblies	Elective
AURHTX104	Diagnose and repair heavy vehicle clutch systems	Elective
AURTTA113	Diagnose and repair hydraulic systems	Elective

ENTRY REQUIREMENTS

Although the training package does not stipulate any entry requirements for this training product.
OCT has the following entry requirements in place for international students:

- be at least 18 years of age.
- participate in a course entry interview (pre-enrolment review) to determine suitability of the course and additional support needs.
- undertake OCT's ACSF LLN assessment.

English Language Requirements:

Prospective learner must have taken any of the following test types and achieved the minimum score in the last three (3) years.

Test Type	Score or level	Minimum score and at least 10 weeks ELICOS	Minimum score and at least 20 weeks ELICOS
International English Language Testing System (IELTS)	6.0	5.5	5.0
TOEFL internet-based test	64	46	35
Cambridge English: Advanced (Certificate in Advanced English)	169	162	154
Pearson Test of English Academic (PTE Academic)	50	42	36
Occupational English Test	B for each test component	B for each test component	B for each test component

**ELICOS - English Language Intensive Courses for Overseas Students*

You are not required to provide evidence of English language requirement if one of the following applies to you:

- you are a citizen and hold a passport from UK*, USA, Canada, NZ or Republic of Ireland
- you are an applicant who is a Foreign Affairs or, Defence sponsored student or a Secondary Exchange student (AASES)
- you are enrolled in a principal course of study that is a registered school course, a standalone English Language Intensive Course for Overseas Students (ELICOS), a course registered to be delivered in a language other than English, or a registered post-graduate research course
- you have completed at least 5 years' study in English in one or more of the following countries: Australia, UK, USA, Canada, New Zealand, South Africa, or the Republic of Ireland
- in the 2 years before applying for enrolment, you completed, in Australia and in the English language, either the Senior Secondary Certificate of Education or a substantial component of a course leading to a qualification from the Australian Qualifications Framework at the Certificate IV or higher level, while you held a student visa.

Note: You may be required to provide evidence of an English test score with your visa application if you hold a British National Overseas (BNO) passport.



ENTRY REQUIREMENTS

For international students, it is a condition of entry that upon acceptance, you must provide evidence of having an Australian Student Visa (sub-class 500).

PHYSICAL REQUIREMENTS

The physical requirements of a heavy vehicle mechanic can be very demanding and it is expected that the prospective learners will have reasonable level of fitness to perform the following tasks:

- Constant hand function (fine and gross) and lifting waist to overhead and carrying up to 2kg
- Frequent standing, forward reaching, overhead reaching and static neck postures;
- Frequent lifting from floor to overhead and carrying from 2kg to 15kg;
- Frequent pushing and pulling;

You are required to discuss your capabilities in the above areas and any concerns you have during the course entry interview.

DELIVERY ARRANGEMENTS

OCT operates on a rolling intake timetable. Although no units in this qualification have any pre-requisites, OCT has adopted a stage based rolling intake where all students must complete the units in the initial stage listed below prior to merging these students with older students in ongoing classes. OCT runs these units on an ongoing basis depending on student enrolments and commencements. Students can commence their course in any of the following units and in any order. Once, the students have completed the following units they will be merged with older students. Each student will be provided with their individual training and assessment plan outlining their timetable.

- AURAEA002 Follow environmental and sustainability best practice in an automotive workplace
- AURASA102 Follow safe working practices in an automotive workplace
- AURTTK102 Use and maintain tools and equipment in an automotive workplace
- AURAFA103 Communicate effectively in an automotive workplace

Required Textbook: Jones and Bartlett Learning (CDX Automotive):

- Medium/Heavy Duty commercial vehicle systems by Owen C. Duffy and Gus Wright
- Medium/Heavy Duty Diesel Engines by Gus Wright

Textbooks are available in the library for you to read in your own time. However, you will be required to buy your own from McGraw Hill to ensure you always have access to the textbook. OCT can arrange the textbook for you, please get in touch with student support if you need assistance with this.
You will be provided with your own apprentice toolkit which you will be required to bring to all practical classes. You will also be provided with a uniform which must be worn for all workshop days.
You must buy your own Safety Boots and bring them to each practical class. You will be provided with a timetable that will identify the days you will be attending workshop-based training and assessment.

Student Support System

OCT has a range of Student Support Services available for you. Please refer to your student handbook for details on available Student Support Services.

Assessment System

Units are assessed individually via a range of assessment methods: Written Assessment, Verbal Questioning and Practical Demonstrations observed directly by the assessor.

Recognition of Prior Learning (RPL) and Credit Transfers (CT)

Gaining credit and recognition of prior learning may reduce the time it will take to complete your course
OCT offers all students the opportunity to apply for Recognition of Prior Learning (RPL).
Please refer to our RPL and CT policy and procedure in the Student Handbook and/or Website.

Assessment Appeals

Students can make an appeal against any assessment decision by following the Complaints and Appeals Policy outlined in the Student Handbook and our website.
All appeals and complaints will be dealt with following the Complaints and Appeals Procedure.



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