

OCEANIA
COLLEGE OF TECHNOLOGY

AUR31520 CERTIFICATE III IN AUTOMOTIVE DIESEL ENGINE TECHNOLOGY

CRICOS COURSE CODE: 103597J

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

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QUALIFICATION DESCRIPTION

This qualification reflects the role of individuals who perform a range of tasks on a variety of diesel engines and associated systems in the automotive retail, service and repair industry.

Delivery Site/s

QLD – Brisbane
110 Beatty Rd, ARCHERFIELD, Queensland 4108

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:

- AUR40216 – Certificate IV in Automotive Mechanical Diagnosis
- AUR40820 – Certificate IV in Automotive Mechanical Overhauling

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:

- Agricultural Mechanic
- Diesel Engine Mechanic
- Diesel Fuel Mechanic
- Heavy Vehicle Mechanic
- Inboard Engine Marine Technician
- Outboard Engine Marine Technician
- Outdoor Power Equipment Mechanic

COURSE DURATION

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

Note that supplementary classes will be scheduled, and attendence 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

Total number of 28 units are required for the award of the AUR31520 - Certificate III in Automotive Diesel Engine Technology.

Core units: 14 units

Elective units: 14 units, of which:

- all 14 units may be from the elective units listed in the AUR31520 qualification.
- up to 5 units may be from a Certificate II qualification or above in this 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
AURETR112	Test and repair basic electrical circuits	Core
AURETR125	Test, charge and replace batteries and jump-start vehicles	Core
AURHTE102	Diagnose and repair heavy vehicle compression ignition engines	Core
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems	Core
AURTTA104	Carry out servicing operations	Core
AURTTA118	Develop and carry out diagnostic test strategies	Core

AURTTE104	Inspect and service engines	Core
AURTTK001	Use and maintain measuring equipment in an automotive workplace	Core
AURTTK102	Use and maintain tools and equipment in an automotive workplace	Core
AURTTM004	Assemble engine blocks and sub-assemblies	Core
AURTTM008	Dismantle and evaluate engine blocks and sub-assemblies	Core
AURTTM011	Recondition engine cylinder heads	Core
AURAFA103	Communicate effectively in an automotive workplace	Elective
AURAMA001	Work effectively with others in an automotive workplace	Elective
AURETR124	Diagnose and repair compression ignition engine management systems	Elective
AURETR128	Diagnose and repair instruments and warning systems	Elective
AURETR129	Diagnose and repair charging systems	Elective
AURETR130	Diagnose and repair starting systems	Elective
AURETR132	Diagnose and repair automotive electrical systems	Elective
AURHTE001	Remove and install heavy vehicle engine assemblies	Elective
AURHTX104	Diagnose and repair heavy vehicle clutch systems	Elective
AURHTZ101	Diagnose and repair heavy vehicle emission control systems	Elective
AURMTE101	Test engines using a dynamometer	Elective
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives	Elective
AURTTF102	Inspect and service diesel fuel injection systems	Elective
AURTTF105	Diagnose and repair engine forced-induction 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	169	162	154
in Advanced English)			
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 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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