



# Certificate III in Automotive Mechanical Technology

(Course Code AUR30405 / CRICOS 069860G)



## Entry Requirements:

### English Entry Requirements

To succeed academically in Australia proficiency in English language is essential. Students must demonstrate an adequate level of competency in English for consideration for admission into vocational studies at Ozford. The Ozford English Language Centre programs provide students with language and study skills to maximise learning and personal development.

International students require English language skills at least equivalent to IELTS 5.5 or must enrol in an English language program (ELICOS) for a reasonable period (at least to an Advanced level of English competency) before starting the main course, or obtain 70% or above in the Ozford VET entrance test. Students continuing to experience English language difficulties whilst enrolled in Ozford will be offered further English language support.

### Academic Entry Requirements

Level of Study	Academic Level
Certificate II	Satisfactory completion of the equivalent of Australian Year 10, 11 or 12
Certificate III	Satisfactory completion of the equivalent of Australian Year 10, 11 or 12
Certificate IV	Satisfactory completion of the equivalent of Australian Year 11 or 12*
Diploma	Satisfactory completion of the equivalent of Australian Year 12 or Cert IV.
Advanced Diploma	Satisfactory completion of the equivalent of Australian Year 12 or Diploma

\* Subject to country Assessment Level

## Campus Locations

La Trobe, Lonsdale and Swanston campuses are located in Melbourne CBD, which is accessible by many forms of public transport. They are all within walking distance to train stations, trams and bus stops.

Students will enjoy the convenience of shopping centres, cafes accommodation facilities within walking distance.

Ozford @ Lonsdale St: Level 2, 5 & 9 Lonsdale St. Melbourne VIC 3000

Ozford @ LaTrobe St: 42-46 La Trobe St. Melbourne VIC 3000

Ozford @ Swanston St: Level 3, 169 Swanston St. VIC 3000

## General description of facilities, equipment, and learning and library resources available to students

La Trobe, Lonsdale and Swanston campuses are located in Melbourne CBD, which is accessible by many forms of public transport. They are all within walking distance to train stations, trams and bus stops. Students have access to excellent facilities including modern classrooms, featuring the latest fittings and furnishings, including resources such as TVs, DVD players, computers and data projectors.

We have 8 computer labs available for classes and for students to use in their free time. In addition we have 1 specialised IT lab for IT courses. We provide high speed internet connection and all students are given a computer account, email address and free downloads of up to 60MB per month.

There are computer labs at each campus with the latest software packages, including: Macromedia, MYOB, Adobe and Maya. Data projectors are installed in all computer labs and all classrooms are fitted with network data connections. Located at each campus are photocopiers that students and staff can access via individual swipe cards

Students Services Officers are located at 3 campuses.

Ozford's library located at the Lonsdale campus has a wide range of materials to suit our students' needs. We also provide a range of daily newspapers and a variety of magazines. In the Ozford library you will find a quiet study area for students, a careers section and endless resources for study. Available for loan are recreational reading material, magazines, DVD's and board games.

Ozford's automotive workshop is located at: 228-234 Normanby Road, SouthBank

## Course Aims

This qualification provides the skills and knowledge for an individual to be competent in arrange of areas within the automotive sector. Work would be undertaken but not restricted to a workshop environment where the retail, service and repair of light vehicle automotives would be carried out.

The field includes any destination, local or regional area, Industrial precinct, site, attraction or onboard form of transportation. The qualification reflects the role of skilled operators who apply a broad range of competencies in a varied work context, using some discretion and judgement and relevant theoretical knowledge. They may provide technical advice and support to a team.



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## Course Content

Participants need to complete Thirty Six (36) units of competency,

- 3 Compulsory Units
- 27 Units from the Technical Inventory
- 6 Units from the Retail, Service and Repair or any endorsed training package that meet the needs of the enterprise

NOTE: a maximum of 20 units of competence may be at level 2, and a maximum of 2 units of competence may be at level 4

## Course Structure

Unit Code	Unit Name
<b>Compulsory</b>	
AURC270103A	Apply safe working practices
AURT271781A	Implement and monitor environmental regulations in the automotive mechanical industry
AURT270278A	Use and maintain workplace tools and equipment

Unit Code	Unit Name
<b>Electives</b>	
AURT200108A	Carry out servicing operations
AURT225667A	Use and maintain measuring equipment
AURT201170A	Inspect and service engines
AURT202170A	Inspect and service cooling systems
AURT202166A	Repair cooling systems
AURT303166B	Repair petrol fuel systems

Unit Code	Unit Name
<b>Auto Electrical Systems Cluster</b>	
AURE218676A	Test, service and charge batteries
AURE319166A	Repair charging systems
AURE319266A	Repair starting systems
AURE218708A	Carry out repairs to single electrical circuits
AURE320666A	Repair ignition systems
AURE321171A	Service and repair electronic spark ignition engine management systems

Unit Code	Unit Name
<b>Transmissions &amp; Drivelines Cluster</b>	
AURT206670A	Inspect and service transmissions (manual)
AURT207170A	Inspect and service transmissions (automatic)
AURT306170A	Inspect, service and/or repair clutch assemblies and associated operating system components
AURTL306666A	Repair transmissions – manual (light vehicle)
AURTL312666A	Repair final drive assemblies (light vehicle)
AURTL313166A	Repair final drive -driveline (light vehicle)

Unit Code	Unit Name
<b>Wheels &amp; Tyres Cluster</b>	
AURT217606A	Balance wheels and tyres
AURT217766A	Remove, inspect, repair and fit tyres and tubes (light)
AURT217865A	Remove and refit wheel hubs and associated brake components
AURTL317108A	Carry out wheel alignment operations (light vehicle)

Unit Code	Unit Name
<b>Steering Suspension &amp; Brakes Cluster</b>	
AURT216170A	Inspect and service suspension systems
AURTL316166A	Repair suspension systems (light vehicle)
AURT215170A	Inspect and service steering systems
AURTL315166A	Repair steering systems (light vehicle)
AURT210170A	Inspect and service braking systems
AURT310166A	Repair hydraulic braking systems

Unit Code	Unit Name
<b>Engine Repair</b>	
AURTL301166A	Repair engines and associated engine components (light vehicle)
AURT305671A	Inspect and repair engine forced induction systems
AURT304666A	Repair and replace emission control systems

Unit Code	Unit Name
<b>Diagnosis &amp; Vehicle Roadworthy Cluster</b>	
AURT366108A	Carry out diagnostic procedures
AURT365508A	Carry out vehicle safety/roadworthy inspection

### Job roles

Employees service and repair the mechanical parts of motor vehicles such as engines, transmissions (clutch, gear box and differential) and suspension systems. Tasks include discussing problems with drivers/users to detect faults and carrying out their own diagnostic procedures. They will also repair and service cooling systems, final drive assemblies, steering and braking systems, electronic engines, body and drive management systems. Possible job titles include;

- Service technician
- Light Vehicle Mechanic
- Service advisor
- Service Manager or Serviceperson
- Parts counter person
- Parts manager

## Mode of Study

Face to Face

## Assessment Methods

Classroom

Assessment Methods used but not limited to:

- Written Work
- Verbal Questioning
- Observation
- Classroom and practical participation
- Work Samples
- Roles plays, case studies and portfolios



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## Course Outcome and Pathway

In this course, a student will learn how to apply safe work practices and develop skills in the areas of mechanics, light engines and much more.

This course is designed for students wishing to learn the skills to become a light vehicle mechanic and may lead to employment in the automotive industry

## Course Duration

1 year

## Intake

Term 1 / 2010: 15 February 2010

Term 2 / 2010: 3 May 2010

Term 3 / 2010: 19 July 2010

Term 4 / 2010: 4 October 2010

## Course Fees

AUD \$11,000\*

*\*subject to change*