

OSTC Automotive Engineering (Level 3)

OSTC courses are for students who are enrolled in secondary school. If you wish to apply, please see your school's career advisor, or contact Liz Gilmore, OSTC Liaison Officer – Elizabeth.Gilmore@op.ac.nz | Ph: 03 479 6092



OSTC courses are for students who are enrolled in secondary school. If you wish to apply, please see your school's career advisor, or contact Liz Gilmore, OSTC Liaison Officer – Elizabeth.Gilmore@op.ac.nz | Ph: 03 479 6092

Location Cromwell

Delivery Two days a week for the school year.

Are you serious about a career in the automotive industry?

This course is designed for people who are beginning a career in the industry. You will gain the generic and industry specific skills you need to work in a range of roles in the automotive industry. Upon successful completion, you will graduate as a work-ready, highly competent individual who will be able to hit the ground running from day one.

This course continues on from the OSTC Automotive level 2 course. You will need to have completed it to apply for this course. Exceptions to will only be made for students with extensive experience of the automotive industry, and with the permission of the course tutor.

For more information about OSTC, visit www.op.ac.nz/ostc

What will I do?

You will work in the Automotive workshop repairing and servicing cars. The things you will learn about, and repair include:

- electrical components of a car
- car wiring
- brakes
- car tyres of various types
- car lighting

You learn various welding techniques, including gas, MIG and arc welding. You will also service cars and carry out many of the common operations of a commercial garage.

What could I do next?

You could apply for an Automotive Engineering Apprenticeship or other Level 3 Engineering programme.

Where could this take me?

- Automotive Engineer
- Motorcycle Technician
- Mechanic
- Marine engineer
- Hydraulic engineer
- Car sales
- Rental Franchise

Unit standards covered in this course

| Unit Standard | OSTC Automotive Engineering | Credits | level | Version |
|---------------|--|---------|-------|---------|
| 244 | Disassemble and reassemble a four stroke multi-cylinder engine to a running state | 6 | 2 | - |
| 21685 | Use an oxy-acetylene welding plant in the motor industry | 3 | 2 | - |
| 23992 | Use a gas metal arc welding (GMAW) plant in the motor and related industries | 3 | 3 | - |
| 21684 | Use a MIG welding plant in the motor industry | 3 | 3 | - |
| 5742 | Protect electronics when servicing or repairing a vehicle or machine in the motor industry | 2 | 3 | - |

| | | | | |
|-------|---|----|---|---|
| 24093 | Rectify simple vehicle lighting faults, and adjust vehicle lamps | 3 | 3 | - |
| 24106 | Carry out automotive wiring repairs and replace a wiring circuit | 2 | 3 | - |
| 15406 | Carry out general service checks in the motor industry | 2 | 3 | - |
| 23943 | Demonstrate knowledge of flat towing a light vehicle | 1 | 3 | - |
| 5466 | Remove and replace light vehicle brake pads and shoes | 2 | 3 | - |
| 912 | Remove, repair, and replace vehicle body interior components | 2 | 3 | |
| 24458 | Prepare to repair, and repair punctures in tubes and tubeless tyres on light vehicles | 5 | 3 | |
| 24457 | Demonstrate knowledge of light vehicle tyres and wheels | 4 | 3 | |
| | Total | 29 | | |

We are doing our best to ensure that this information is accurate. However, there may be some content changes to our programmes, and all our programmes will run subject to demand and capacity.

International **+64 3 477 3014**
New Zealand **0800 762 786**
Email **info@op.ac.nz**

Dunedin Campus
Forth Street, Dunedin
Private Bag 1910
New Zealand 9054

Central Otago Campus
Corner Erris & Ray Streets
PO Box 16, Cromwell
New Zealand 9342

Auckland Campus
Level 2, 350 Queen Street
PO Box 5268, Auckland
New Zealand 1141