

# 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](mailto:Elizabeth.Gilmore@op.ac.nz) | Ph: 03 479 6092

## Location

Cromwell

## Delivery

Two days a week for the school year.

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## 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](http://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.