



Electric Vehicles workshops and short courses



Fees:

\$180 (fully online)

\$200 (in Dunedin)

\$724 (all other)

*Fees are approximate, subject to change and exchange rates

Location Mixture of online and face-to-face options at different locations - see below for more details per course

Start Variety of start dates per course - see below for more information

Gain confidence and micro-credentials!

With the pressure on natural resources around the globe, humans are seeking alternative and more sustainable energy solutions. Electric vehicles will play a big part in this future and those working in the automotive industry will increasingly need skills and confidence working in this space.

Our range of short courses are for automotive technicians who are working with electric vehicles, as well as First Responders, Fleet Managers and electric vehicle users requiring an introduction to health and safety requirements when working on, or around, electric vehicles. Covering a variety of topics, they are ideal for those seeking a solid understanding of EV operation.

At the end of each short course when you have received your training, learners have the option of completing an EduBits and this is included in the course price.

EduBits.
Learn. Build. Succeed.

www.edubits.nz

EduBits is our digital micro-credential assessment service which enables you to show what you know and have your learning recognised.

If you feel that you already hold the necessary skills and don't need to complete the short course training, we offer the option of completing an EduBits assessment straightaway. Head to the Manufacturing and Technology section of our EduBits website and select the EduBits that is right for you!

How to apply

To register your interest in one of the courses below, simply send your name, contact details, and the name and location of the course you wish to attend to ECLAdmin@op.ac.nz. We will contact you with further information about your selected course.

Within your short course instructions, you will receive a promocode for completing your EduBits assessment. Once you have completed your short course and training and are ready to sit your assessment, head to our EduBits website and plug in your promocode.

Please note: These courses will only run subject to attaining minimum and maximum numbers.

Safe Workplace Practices for EVs course

> [Click here to enrol for this course fully online](#)

> [Click here to enrol for this course in Dunedin](#)

Delivery

Fully online or face-to-face in Dunedin (A120 (A block), Forth Street, Otago Polytechnic Dunedin Campus).

Fee

> NZD \$180 (fully online)

> NZD \$200 (Dunedin)

Course dates

Online option

> Start immediately

Dunedin option

Choose from the following course dates - TBC

Cromwell option

> TBC

Course content

This workshop is a basic introduction to gain an understanding of health and safety requirements when working on, or around, electric vehicles.

You will learn how to apply the correct use of personal protective equipment and other safety equipment when working on, or with, EVs. In addition, you'll learn how to identify high voltage components in EVs and describe health and safety isolation requirements.

At the end of this course, you will be able to have your knowledge and skills assessed and recognised through the completion of an EduBits (5 credits, Level 3).

EV Battery Diagnosis course (2-day course)

Delivery

Online introduction and workshop in Dunedin (Friday: Puna Kawa Room, second floor Mason Centre, Forth Street, Otago Polytechnic Dunedin Campus; Saturday: A block workshop 225, Otago Polytechnic Dunedin Campus)

> [Dunedin Campus map](#)

Fee

> NZD \$724

Course dates

Dunedin option

Choose from the following course dates - TBC*

*Limit 20 people

Course content

Learn about battery design and construction, testing and diagnosis of faulty cells, charging and battery control systems to enable you to analyse battery capacity and condition to determine repair or replacement required and provide cost estimates for the client or service (garage) advisor.

At the end of this course, you will be able to have your knowledge and skills assessed and recognised through the completion of an EduBits (10 credits, Level 5).

EV Battery Repair course (2-day course)

Delivery

Online resources and workshop in Dunedin (A225 (A block), Forth Street, Otago Polytechnic Dunedin Campus).

> [Dunedin Campus map](#)

Fee

> NZD \$724

Course dates

Choose from the following course dates - TBC*

*Limit 10 people

Course content

Learn about procedures for removing and refitting a high voltage traction battery for an electric vehicle. With a battery removed from a vehicle, you will carry out further testing and replacement of internal components to enable the battery to be repaired and reinstalled into the vehicle.

At the end of this course, you will be able to have your knowledge and skills assessed and recognised through the completion of an EduBits (10 credits, Level 5).

EV Drive System Diagnosis course (2-day course)

Delivery

Online resources and workshop in Dunedin (Friday: Puna Kawa Room, second floor Mason Centre, Forth Street, Otago Polytechnic Dunedin Campus; Saturday: A block workshop 225, Otago Polytechnic Dunedin Campus).

> Dunedin Campus map

Fee

> NZD \$724

Course dates

Choose from the following course dates - TBC*

*Limit 20 people

Course content

Learn about traction motor design and construction, testing and diagnosis of faulty components, motor protection and control systems to enable you to analyse condition to determine repair or replacement required and provide cost estimates for the client or service (garage) advisor.

At the end of this course, you will be able to have your knowledge and skills assessed and recognised through the completion of an EduBits (10 credits, Level 3).

EV Drive System Repair course (2-day course)

Delivery

Online resources and workshop in Dunedin (A225 (A block), Forth Street, Otago Polytechnic Dunedin Campus).

> Dunedin Campus map

Fee

> NZD \$724

Course dates

Choose from the following course dates - TBC*

*Limit 10 people

Course content

Learn about procedures for removing and refitting a high voltage traction motor for an electric vehicle. With a motor removed from a vehicle, you will carry out testing and replacement of internal components to enable the motor to be repaired and reinstalled into the vehicle.

At the end of this course, you will be able to have your knowledge and skills assessed and recognised through the completion of an EduBits (10 credits, Level 5).

For more information

Please email ECLadmin@op.ac.nz

Disclaimer

While every effort is made to ensure that this sheet is accurate, Otago Polytechnic reserves the right to amend, alter or withdraw any of the contained information. The fees shown in this document are indicative ONLY. Both domestic and international fees are subject to change and are dependent on the development

and implementation of Government policies. Please note that additional fees may from time to time be required for external examination, NZQA fees and/or additional material fees.

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