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IS  
*power* 

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The New Zealand Certificate in  
Electric Vehicle Automotive Engineering (Level 5)

  
**mito**



**MITO's new training programme will provide you with the skills and knowledge to safely inspect, service and repair light electric vehicles. Designed in consultation with industry and available to qualified automotive technicians, this programme will ensure you have the ability to support the widespread adoption of light electric vehicles in New Zealand.**



### **Programme outline**

The Level 5 programme is expected to take 11 months to complete.

The training programme includes a mix of practical training and assessment, undertaken via training courses delivered by AECS; and eLearning, allowing you to complete theory elements of the programme at your own pace. Online learning resources, including videos and theory assessments, can be easily accessed at any time and from any device – mobile phone, tablet or PC.

#### **OUTCOME 1**

Oversee team responsibilities and ensure compliance with legislative and company requirements to maintain a safe and effective workplace.

<b>UNIT STANDARD</b>	<b>UNIT STANDARD TITLE</b>	<b>LEVEL</b>	<b>CREDIT</b>
27564	Demonstrate knowledge of leadership	4	10

## OUTCOME 2

Diagnose and repair uncommon and complex specialist system faults in light electric vehicles as an advanced technician.

UNIT STANDARD	UNIT STANDARD TITLE	LEVEL	CREDIT
30879	Demonstrate knowledge of hybrid electric and battery electric vehicle or machine systems and safety	4	5
31416	Depower and reinitialise electric vehicles	4	7
31417	Diagnose and repair traction motor system faults in electric vehicles	5	10
31418	Diagnose faults and replace an auxiliary starting motor in an electric vehicle	5	10
31419	Diagnose and repair safety interlock system faults in electric vehicles	5	8
31420	Diagnose and repair HVAC and HV cooling system faults in electric vehicles	5	10
31421	Diagnose and repair DC to DC system faults in electric vehicles	5	10

### Prerequisites

You must have completed an Automotive Engineering qualification at Level 4, or provide evidence of equivalent skills and knowledge, in order to enrol in this training programme.

### 2022 Programme fee

This programme has a fixed non-refundable fee of \$3,589 incl GST. No further charges apply.

MITO is a business division of Te Pūkenga  
Work Based Learning Limited. We support  
on-job learning and career development for  
the automotive industry.



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**TAKE CHARGE OF YOUR FUTURE**

**[mito.nz/ev](https://mito.nz/ev)**

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