

# New Zealand Certificate in Electric Vehicle Automotive Engineering

Level 5

A man with dark hair and a goatee, wearing a red and grey work shirt, stands with his arms crossed in a workshop. The background is blurred, showing parts of a red car and workshop equipment.

 **mito**



MITO's 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 work-based 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 a range of providers 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.

### **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.

### **2024 programme fee**

This programme has a fixed non-refundable fee of \$1,085 excluding GST. No further charges apply.

**OUTCOME 1**

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

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

# THE NEW ZEALAND CERTIFICATE IN ELECTRIC VEHICLE AUTOMOTIVE ENGINEERING (LEVEL 5)

Enrol at **mito.nz/ev**

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MITO is a business division of  
Te Pūkenga – New Zealand Institute  
of Skills and Technology.

We support on-job learning and  
career development for the  
automotive, transport, logistics  
and extractive industries.

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