

Qualification details

Title	New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5)		
Version	1	Qualification type	Certificate
Level	5	Credits	70
NZSCED	030599 Engineering and Related Technologies > Automotive Engineering and Technology > Automotive Engineering and Technology not elsewhere classified		
Qualification developer	MITO New Zealand Incorporated		
Next review	***** 2021		
Approval date	Dd Mmmm 2018		
Strategic purpose statement	<p>This qualification provides the automotive engineering industry with individuals who have attained the knowledge and skills required to safely and effectively diagnose and repair faults in hybrid or electric vehicles.</p> <p>This qualification is aimed at people working, or wishing to work, in an advanced technical role within an automotive context. It has been designed for experienced automotive engineering technicians.</p> <p>Graduates may have some responsibility for representing the business and for the overall performance of the workshop.</p>		
Outcome Statement	Graduate profile	<p>Graduates of this qualification are able to:</p> <p>Oversee team responsibilities and ensure compliance with legislative and company requirements to maintain a safe and effective workplace.</p> <p>Diagnose and repair faults in hybrid or electric vehicle or machine systems as an advanced technician.</p>	
	Education pathway	<p>This qualification follows on from the New Zealand Certificate in Light Automotive Engineering (Level 4) [Ref: 3450]; New Zealand Certificate in Heavy Automotive Engineering (Level 4) with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling [Ref: 3118]; New Zealand Certificate in Motorcycle Engineering (Level 4) [Ref: 3447]; or the New Zealand Certificate in Automotive Electrical Engineering (Level 4) [Ref: 3460].</p> <p>It may lead to higher level qualifications in business management, for example New Zealand Diploma in Business (Level 6) with strands in Accounting, Administration and Technology, Human Resource Management, Leadership and</p>	

		Management, Maori Business and Management, Marketing and Sales, and Real Estate [Ref: 2460].
	Employment pathway	Graduates will be able to work in a range of workplaces that involve advanced diagnostic and repairing electric vehicle faults, for example as an advanced automotive technician specialising in hybrid and electric vehicles.

Qualification specifications

Qualification award	This qualification can be awarded by any education organisation which has an approved programme of study or industry training programme leading to the qualification.
Evidence requirements for assuring consistency	Evidence may include: <ul style="list-style-type: none"> - End user surveys (e.g. graduates, employers, industry associations) to determine how well graduates are meeting the outcomes in the workplace. - Evidence of monitoring to ensure changes in industry practice are identified and incorporated into training requirements. - Evidence of effective internal and external moderation of assessment practice.
Minimum standard of achievement and standards for grade endorsements	Achieved.
Other requirements for the qualification (including regulatory body or legislative requirements)	Prerequisite: <ul style="list-style-type: none"> - An Automotive Engineering qualification at Level 4, or equivalent skills and knowledge. Recommended: <ul style="list-style-type: none"> - A current workplace first aid certificate prior to enrolment in a programme leading to this qualification; and - Relevant licence type/s achieved before completion of a programme leading to this qualification.

General conditions for the programme leading to the qualification

General conditions for programme	<ul style="list-style-type: none"> - Programmes must be delivered in the context of a workshop operating at a commercially acceptable industry standard. - Programme content must reflect current legislation, regulations and Australia/New Zealand Standards (AS/NZS). - Additional guidance and recommendations for programme development can be found on the MITO New Zealand Incorporated website (https://mito.org.nz/).
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Conditions relating to the Graduate profile

Qualification outcomes		Conditions
1	Oversee team responsibilities and ensure compliance with legislative and company requirements to maintain a safe and effective workplace. Credits 20	
2	Diagnose and repair faults in hybrid or electric vehicle or machine systems as an advanced technician. Credits 50	