

## National Certificate in Hot Dip Galvanizing (Supervision) (Level 4)

**Level** 4

**Credits** 103

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2018.

### Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Hot Dip Galvanizing (Level 4) with strands in Jigging, Pre-treatment, Hot Dipping, Centrifuging, and Fettling [Ref: 2474].

The last date for entry into programmes leading to the expiring qualification is 31 December 2016.

For detailed information see [Review Summaries](#) on the NZQA website.

### NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2005	December 2011
Review	2	June 2009	December 2017
Review	3	November 2014	December 2018

### Standard Setting Body

NZ Motor Industry Training Organisation (Incorporated) (MITO)  
PO Box 10803  
Wellington 6143

Telephone 0800 88 2121  
Fax 04 494 0006  
Email [info@mito.org.nz](mailto:info@mito.org.nz)  
Website [www.mito.org.nz](http://www.mito.org.nz)

## National Certificate in Hot Dip Galvanizing (Supervision) (Level 4)

**Level** 4

**Credits** 103

### Purpose

The National Certificate in Hot Dip Galvanizing (Supervision) (Level 4) [Ref: 1176] is designed for people who have demonstrated supervisory skills in the hot dip galvanizing industry.

Holders of this qualification are able to demonstrate skills and knowledge in environmental regulatory requirements, workplace incidents, incident investigation, scheduling work flow, planning and supervising operations, staff, and equipment maintenance, managing chemicals supervising quality management, regulatory, and health and safety compliance requirements, at a hot dip galvanizing facility.

Elective 1 provides choices relevant to the candidate's workplace and work role that relate to problem solving, writing job procedures, leading a team, issuing work permits, planning for and emptying a zinc kettle, and knowledge of galvanizing metallurgy.

Elective 2 provides opportunities for employers and employees to select standards from other areas of the National Qualifications Framework that meet the specific requirements of the enterprise.

This qualification builds on the National Certificate in Hot Dip Galvanizing (Operations) (Level 3) [Ref: 1175] and may be a pathway to the National Certificate in Manufacturing (Metal and Related Products) (Level 4) [Ref: 1388] and/or the National Certificate in Occupational Health and Safety (Co-ordination) (Level 4) [Ref: 0944].

### Special Notes

Recommended: The National Certificate in Hot Dip Galvanizing (Operations) (Level 3) [Ref: 1175] or demonstrate equivalent knowledge and skills.

### Credit Range

	Compulsory	Elective 1	Elective 2
Level 3 credits	-	0-12	0-5
Level 4 credits	86	0-12	0-5
Level 5 or above credits	-	0-3	0-5
Minimum totals	86	12	5

## Requirements for Award of Qualification

### Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in the Qualifications Authority *Rules and Procedures* publications available at [www.nzqa.govt.nz/ncea/](http://www.nzqa.govt.nz/ncea/).

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (Id). Any version of a standard with the same Id may be used to meet qualification requirements that list the Id and/or that specify the past or current classification of the standard.

### Summary of Requirements

- Compulsory standards
- Elective 1 – A minimum of 12 credits as specified
- Elective 2 – A minimum of 5 credits as specified

### Detailed Requirements

#### Compulsory

The following standards are required

#### Engineering and Technology > Hot Dip Galvanizing > Hot Dip Galvanizing Operations

ID	Title	Level	Credit
21175	Demonstrate knowledge of workflow and schedule workflow for galvanizing at a hot dip galvanizing facility	4	20
21182	Supervise quality management at a hot dip galvanizing facility	4	6
21184	Plan and supervise operations, and supervise staff and equipment maintenance at a hot dip galvanizing facility	4	20

#### Engineering and Technology > Hot Dip Galvanizing > Hot Dip Galvanizing Safety

ID	Title	Level	Credit
21180	Demonstrate knowledge of and supervise health and safety at a hot dip galvanizing facility	4	15
25132	Explain environmental regulatory requirements relating to hot dip galvanizing	4	2
25433	Manage chemicals at a hot dip galvanizing facility	4	15

#### Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
17601	Produce an occupational health and safety incident investigation	4	6

## Law and Security &gt; Compliance and Law Enforcement &gt; Compliance and Regulatory Control

ID	Title	Level	Credit
10425	Apply the HSE Act 1992 as an employee in a compliance and/or regulatory control workplace	4	2

**Elective 1**

A minimum of 12 credits

## Engineering and Technology &gt; Hot Dip Galvanizing &gt; Hot Dip Galvanizing Operations

ID	Title	Level	Credit
21183	Demonstrate knowledge of hot dip galvanizing metallurgy	4	5
25434	Plan for and manage the emptying of a zinc kettle at a hot dip galvanizing facility	4	8

## Health &gt; Occupational Health and Safety &gt; Occupational Health and Safety Practice

ID	Title	Level	Credit
17590	Issue worksite specific work permits	3	6

## Humanities &gt; Communication Skills &gt; Interpersonal Communications

ID	Title	Level	Credit
9696	Apply problem-solving techniques	4	4
21335	Lead a group/team to achieve an objective(s)	4	5

## Humanities &gt; Communication Skills &gt; Writing

ID	Title	Level	Credit
9703	Write job procedures	5	3

**Elective 2**

A minimum of 5 credits at Level 3 or above  
From anywhere on the NQF

**Transition Arrangements****Version 2**

Version 2 was issued following review of the Hot Dip Galvanizing standards, which included the development of new standards.

Changes to structure and content

- total credits decreased from 144 to 103

- standards 5616, 5619, 7108, 16800, 21178, and 21179 have been removed from the compulsory section
- new standard 25132 has been added to the compulsory section
- the credit requirements for elective 1 decreased from 20 to 12
- standards 11547, 12336, 21181, 21185 and 21460 have been removed from the elective section
- standard 17497 has been replaced by standard 21335 in the elective section
- elective 2 has been added
- titles have been updated for standards 21175 and 21180.

For detailed information see Review Summaries on the NZQA website.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
17497	21335

People currently working towards version 1 of this qualification may either complete the requirements for that version or transfer their results to this version of the qualification.

It is the intention of MITO that no existing candidate is disadvantaged by these arrangements. Any person who considers they have been disadvantaged is requested to contact MITO at the address below.

### **Other standard setting bodies whose standards are included in the qualification**

Local Government Industry Training Organisation  
New Zealand Industry Training Organisation  
NZQA

### **Certification**

This certificate will display the logos of NZQA, the NZ Motor Industry Training Organisation (Incorporated) and the accredited organisation.

### **Classification**

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
420	Engineering and Technology > Hot Dip Galvanizing	030399	Engineering and Related Technologies > Process and Resources Engineering > Process and Resources Engineering not elsewhere classified

**Quality Management Systems**

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

Reviewed