

National Certificate in Plastics Processing Technology (Production) (Level 3) with strands in General, and Expanded Polystyrene Moulding

Level 3

Credits 50-55

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2019.

Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Plastics Processing (Level 3) with an optional strand in Plastics Engineering [Ref: 2974].

The last date for entry into programmes leading to the replaced qualification is 31 December 2017. The last date for assessment against the replaced qualification is 31 December 2019.

Candidates currently working towards this qualification may either complete its requirements by the date specified or transfer to the replacement qualification.

This qualification contained an expiring unit standard (2398) for which a replacement is available (2407). For the purposes of this qualification, people who have gained credit for the expiring unit standard are exempt from the requirement to gain credit for the replacement unit standard – see table below.

Credit for	Exempt from
2398	2407

This qualification also contained expiring classifications that have been replaced by other classifications. For the purposes of this qualification, people who have gained credit for standards in the expiring classifications are exempt from the requirement to gain credit for standards in the replacement classifications – see table below.

Standards from	Are treated as Standards from
Engineering and Technology > Mechanical Engineering > Composites	Manufacturing > Composites
Health > Health Studies > Core Health	Community and Social Services > Health, Disability, and Aged Support > Core Health
Humanities > Languages > English for Speakers of Other Languages	Humanities > Languages > English Language

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to Competenz at the address below. Appeals will be considered on a case by case basis.

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

NZQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2008	December 2019
Review	2	October 2015	December 2019

Standard Setting Body

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Purpose

The National Certificate in Plastics Processing Technology (Production) (Level 3) with strands in General, and Expanded Polystyrene Moulding [Ref: 1363] is a qualification suitable for a range of plastics processing industries. The strands within the qualification are designed to recognise the skills and knowledge necessary to operate particular production processes at an advanced level. The Expanded Polystyrene Moulding strand caters specifically for that sector of the plastics industry. The General strand allows people the opportunity to customise their learning more closely to their specific job roles as well as providing a qualification suitable for people from allied manufacturing sectors. This qualification follows on from its prerequisite qualification, the National Certificate in Plastics Processing Technology (Production) (Level 2) with strands in General, Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, Rotational Moulding, Expanded Polystyrene Moulding and Polystyrene Pre-expansion [Ref: 1362].

Holders of this certificate are able to work under limited supervision.

Certificate holders are encouraged to undertake further training. There are specialised National Certificates up to Level 4 available (as detailed below). People interested in acquiring supervisory skills and knowledge may also be interested in undertaking the National Certificate in Business (First Line Management) (Level 3) [Ref: 0743] and the National Certificate in Business (First Line Management) (Level 4) [Ref: 0649].

The National Certificates in Plastics Processing Technology (Production) at Levels 1, 2, and 3 with strands [Refs: 1361, 1362, 1363] complement the following existing series of qualifications:

- The National Certificates in Plastics Processing Technology at Levels 1, 2, 3, and 4 with strands [Refs: 0260, 0394, 0395, 0396]
- The National Certificates in Engineering and Technology (Plastics Engineering) at Levels 3 and 4 [Refs: 0477, 0478]
- The National Certificates in Manufacturing and Mechanical Engineering at Levels 1, 2, 3, and 4 [Refs: 0126, 0127, 0128, 0750].

The National Certificates in Plastics Processing Technology (Production) at Levels 1, 2, and 3 [Refs: 1361, 1362, 1363] require specified and elective credits from the Plastics Processing Technology subfield and therefore share significant credits with the technically focused National Certificates in Plastics Processing Technology at the same levels [Refs: 0260, 0394, 0395]. The production focused qualifications are for hands-on production personnel, and in comparison to the technically focused qualifications the compulsory engineering content is much lower, the qualification suite has fewer levels, and they are significantly smaller in terms of credit requirements.

Replacement Information

This qualification replaced the General strand and all the plastics strands of the National Certificate in Materials Processing (Level 3) [Ref: 1074].

Credit Range

	Core Compulsory
Level 2 credits	4
Level 3 or above credits	4
Minimum totals	8

	General Strand		Expanded Polystyrene Moulding Strand
	Set A	Set B	
Level 2 credits	-	0-6	6
Level 3 or above credits	22	14-20	41
Minimum totals	22	20	47

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 section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

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

- Core Compulsory standards

One of the following strands is required

- General Strand
- Expanded Polystyrene Moulding Strand

Detailed Requirements

Core Compulsory

The following standards are required

Business > Management > Quality Management

ID	Title	Level	Credit
8085	Demonstrate knowledge of quality and its management	3	4

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1299	Be assertive in a range of specified situations	2	4

General Strand

Prior award of National Certificate in Plastics Processing Technology (Production) (Level 2) [Ref: 1362] with General Strand **or** prior award of the National Certificate in Materials Processing (Level 2) [Ref: 1073] with General Strand

A minimum of 42 credits

• Of which a minimum of 36 credits at Level 3 or above

From the following sets

• Set A

• Set B

Set A

A minimum of 22 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Plastics Processing Technology	Any

Set B

The balance of credits, if required, to achieve

A minimum of 42 credits

• Of which a minimum of 36 credits at Level 3 or above

May come from the following

Field	Subfield	Domain
Business	Accounting	Any
	Business Administration	Any
	Business Operations and Development	Any
	Management	Any
Computing and Information Technology	Computing	Generic Computing
Core Generic	Core Generic	Any
Engineering and Technology	Design	Design - Computer Graphics

Field	Subfield	Domain
		Design - Graphic Communication
		Generic Design
	Electrical Engineering	Core Electrical
		Electronic Engineering
	Mechanical Engineering	Electronic Manufacturing
		Engineering Core Skills
		Engineering Drawing and Design
		Engineering - Fabrication
		Engineering Machining and Toolmaking
		Engineering - Materials
		Engineering - Measurement
		Fluid Power - Hydraulics
		Fluid Power - Pneumatics
		Maintenance and Diagnostics in Mechanical Engineering
		Mechanical Assembly
	Mechanical Commissioning	
	Mechanical Installation	
Welding		
Technology	Any	
Health	Occupational Health and Safety	Occupational Health and Safety Practice
Humanities	Communication Skills	Any
	English	Any
	Languages	English Language
Manufacturing	Any	Any
Sciences	Environment	Any
	Mathematics	Any
	Science	Chemistry
		Physics
	Science - Core	
Service Sector	Cranes	Any
	Driving	Driver Licence Endorsements
	Lifting Equipment	Any
	Retail, Distribution, and Sales	Distribution
		Retail and Distribution Core Skills
		Stock Control
Service Sector Skills	Any	

Expanded Polystyrene Moulding Strand

Prior award of National Certificate in Plastics Processing Technology (Production) (Level

2) [Ref: 1362] with Expanded Polystyrene Moulding Strand **or** prior award of the National Certificate in Materials Processing (Level 2) [Ref: 1073] with Expanded Polystyrene Moulding Strand

The following standards are required

Business > Business Administration > Business Administration Services

ID	Title	Level	Credit
334	Operate and administer inventory systems	3	5

Business > Management > Quality Management

ID	Title	Level	Credit
8077	Participate in a team to achieve specified quality improvement objectives	3	4
8081	Collect data for a specified purpose	3	8
8087	Use core quality management tools	3	5

Engineering and Technology > Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

ID	Title	Level	Credit
2407	Monitor the condition of machinery and equipment	4	10

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1296	Interview in an informal one-to-one situation	3	3

Manufacturing > Energy and Chemical Plant > Operation of Energy and Chemical Plant

ID	Title	Level	Credit
21463	Operate and monitor a boiler up to 20 MW	2	6

Manufacturing > Plastics Processing Technology > Expanded Polystyrene Moulding

ID	Title	Level	Credit
17464	Control and optimise the expanded polystyrene moulding production process	3	12

Transition Arrangements

Version 1

This qualification completely replaced the Expanded Polystyrene Moulding strand and the General strand of the National Certificate in Materials Processing (Level 3) [Ref: 1074].

The contents and requirements in the relevant strand of the replaced qualification are the same in this qualification, except for the following changes:

Summary of differences between the qualifications

- Unit standard 4555 replaced by 21463.
- Unit standard 1299 moved from the strands to the Core Compulsory section.
- General Strand no longer has a compulsory section but consists of two elective sets.
- Elective unit standards in Set A are confined to the Plastic Processing Technology subfield.
- Elective unit standards in Set B are drawn from the Core Elective section of the replaced qualification.
- Subfield Business Operations and Development added to Set B of the General Strand.
- Subfield Painting and Decoration removed from Set B of the General Strand.

Additionally, the Glass Containers strand of the National Certificates in Materials Processing at Levels 1 and 2 [Refs: 1072, 1073] has been replaced by the National Certificates in Glass Container Manufacturing at Levels 1, 2, and 3 [Refs: 1358, 1359, 1360], and the Paint Manufacturing strand of the National Certificates in Materials Processing at Levels 1, 2 and 3 [Refs: 1072, 1073, 1074] has been replaced by the National Certificate in Paint Manufacturing at Levels 2 and 3 [Refs: 1364, 1365]. Appropriate transition arrangements are detailed in each of these qualifications.

All existing candidates may complete the National Certificate in Materials Processing (Level 3) [Ref: 1074] or, where applicable, transfer their existing achievements to this qualification. The last date for assessments to take place for the replaced qualification is 31 December 2009.

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
4555	21463

This qualification contains classifications that replace earlier classifications. People who have gained credit for standards in the lapsed classifications may continue to use those credits to meet the qualification requirements.

Credits for standards in	Count towards qualification requirements where the following is specified
Engineering and Technology> Mechanical Engineering> Fluid Power	Engineering and Technology> Mechanical Engineering> Fluid Power - Hydraulics
	Engineering and Technology> Mechanical Engineering> Fluid Power - Pneumatics
Service Sector> Distribution	Service Sector> Retail, Distribution and Sales
Service Sector> Storekeeping and Warehousing	
Engineering and Technology> Electronic Technology> Core Electronics	Engineering and Technology> Electronic Engineering > Core Electronics
Engineering and Technology> Electronic Technology> Electronic Manufacturing	Engineering and Technology> Electronic Engineering> Electronic Manufacturing

Competenz has endeavoured to ensure that no person has been disadvantaged by this review. Anyone who thinks that they have been disadvantaged should, in the first instance, contact the ITO at the address below.

Other standard setting bodies whose standards are included in the qualification

Competenz
 NZ Extractive Industries Training Organisation
 NZQA

Certification

The certificate will display the logos of NZQA, the provider and Competenz.

Classification

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

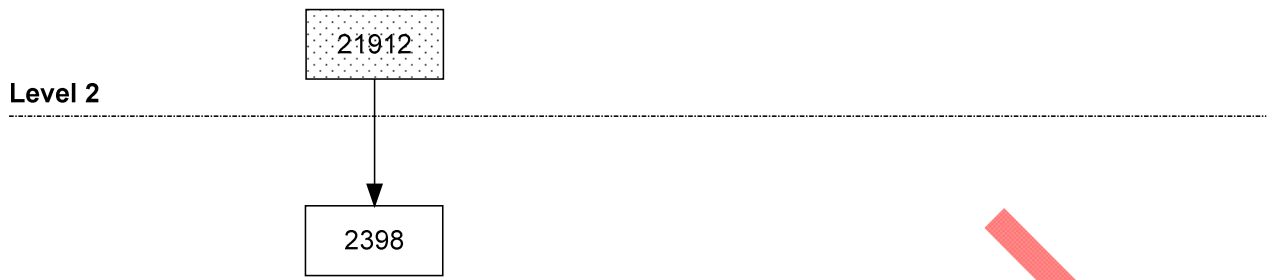
DAS Classification		NZSCED	
Code	Description	Code	Description
190	Manufacturing > Plastics Processing Technology	030108	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Plastics Processing Technology

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.


REVIEWING

Prerequisite Diagram



Level 3

Key

	unit standard not in this qualification
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Reviewed