

National Certificate in Plastics Materials (Level 5)

Level 5

Credits 42

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 Engineering Technology (Level 5) [Ref: 2976].

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.

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 National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	November 2010	December 2019
Review	2	October 2015	December 2019

Standard Setting Body

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Purpose

The National Certificate in Plastics Materials (Level 5) [Ref: 1596] is a high level qualification for staff in plastics companies who want to advance their technical skills and knowledge. The qualification is aimed primarily at production and technical staff. This qualification may also be relevant to managers or support personnel who want to increase their knowledge of plastics materials.

This qualification consists of a compulsory section which includes standards relevant to people working with advanced plastics materials.

People who have been awarded this qualification can undertake a range of advanced activities related to product design, product processing, and fabrication and finishing without supervision.

This qualification may follow on from the National Certificate in Plastics Processing Technology (Level 4) [Ref: 0396]. This qualification also shares credits in common with, and provides a pathway to, the National Diploma in Plastics Processing Technology (Level 5) [Ref: 1597].

Credit Range

	Compulsory
Level 5 credits	42
Minimum totals	42

Requirements for Award of Qualification

Award of NZQF National 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 on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

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

Detailed Requirements

Compulsory

The following standards are required

Manufacturing > Plastics Processing Technology > Plastics Materials

ID	Title	Level	Credit
19378	Demonstrate knowledge of polymer property relationships, their structure and polymerisation	5	12
19379	Demonstrate knowledge of rheology and calculate output from processing equipment for polymer compounds	5	6
25679	Demonstrate knowledge of plastic product development	5	8

Manufacturing > Plastics Processing Technology > Plastics Processing - General

ID	Title	Level	Credit
19380	Perform heat transfer calculations for plastics processing	5	8
19381	Demonstrate knowledge of plastics processing, fabrication and product finishing technologies	5	8

Certification

This certificate will display the logos of NZQA, Competenz Incorporated, and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

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

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess 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.