

National Certificate in Manufacturing (Metal and Related Products) (Level 3)

Level 3

Credits 65

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

Transition Arrangements

This qualification was republished in August 2016 to extend the last date for entry to 31 December 2017.

This qualification has been reviewed and replaced by the New Zealand Certificate in Manufacturing (Level 3) with optional strand in Productivity Improvement [Ref: 2730].

Last date for entry into the replaced qualification is 31 December 2017.

Last date for award of the replaced qualification is 31 December 2018.

It is recommended that candidates currently enrolled in the replaced qualification who will be unable to complete the qualification by the 31 December 2018 transfer to the New Zealand Certificate identified above.

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.

This qualification contains an expiring classification in the Elective section that has been replaced. The qualification remains achievable through the other classifications and standards specified in the Elective. For the purposes of this qualification, people who have gained credit for the replacement classification are exempt from the requirement to gain credit for the expiring classification.

Credit from the replacement classification	Treated as credit from the replaced classification
<i>Manufacturing > Manufacturing Skills > Competitive Systems and Practices</i>	<i>Manufacturing > Manufacturing Skills > Competitive Manufacturing</i>

NZQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2008	December 2018

Process	Version	Date	Last Date for Assessment
Review	2	March 2015	December 2018
Republication	2	August 2016	December 2018

Standard Setting Body

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Reviewed

National Certificate in Manufacturing (Metal and Related Products) (Level 3)

Level	3
Credits	65

Purpose

This qualification is the second in a series of qualifications specific to production personnel employed in the manufacture of metal and related products. It builds on the National Certificate in Manufacturing (Metal and Related Products) (Level 2) [Ref: 1386] and represents the skills and knowledge typically achieved in 18 months to two years of work in a manufacturing environment. It is intended for experienced employees who are able to take responsibility for their work output under general supervision.

The compulsory section covers:

- health and safety;
- knowledge of engineering metals and materials;
- interpersonal communications;
- operation of production machinery;
- improvements in a manufacturing environment

The elective section allows candidates to select from a range of skill standards at level 3, such as computing, competitive manufacturing, can making, manufacturing processes, materials management, mechanical engineering, and powered industrial lift trucks.

Whilst training for this qualification would normally occur after achievement of the National Certificate in Manufacturing (Metal and Related Products) (Level 2) [Ref: 1386], experienced workers could enter a programme for this qualification without completing the Level 2 qualification.

This qualification leads to the National Certificate in Manufacturing (Metal and Related Products) (Level 4) [Ref: 1388] and, may in some circumstances, also lead to qualifications in Competitive Manufacturing such as the National Certificate in Competitive Manufacturing (Level 4) with an optional strand in Facilitation [Ref: 1216].

Replacement Information

This qualification replaced the National Certificate in Manufacturing and Mechanical Engineering (Level 3) [Ref: 0128].

Special Notes

Related products refers to manufactured products with a significant proportion of metallic components.

Credit Range

	Compulsory	Elective
Level 1 credits	3	-
Level 2 credits	22	-
Level 3 or above credits	14	26
Minimum totals	39	26

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

- Compulsory standards
- Elective – A minimum of 26 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Mechanical Engineering > Engineering - Materials

ID	Title	Level	Credit
20799	Demonstrate basic knowledge of engineering metals	2	4
20917	Demonstrate basic knowledge of engineering materials	2	2

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

ID	Title	Level	Credit
497	Demonstrate knowledge of workplace health and safety requirements	1	3
17593	Apply safe work practices in the workplace	2	4

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
9677	Participate in a group/team which has an objective(s)	2	3
10791	Participate in informal meetings	2	3

Manufacturing > Manufacturing Skills > Manufacturing Processes

ID	Title	Level	Credit
4810	Operate mechanical production process machinery	3	12
19506	Demonstrate knowledge of company quality policy on a manufacturing site	2	2
21329	Maintain housekeeping in a manufacturing environment	2	2
21330	Perform calculations for manufacturing production processes	2	2
21332	Demonstrate basic knowledge of establishing improvements in a manufacturing environment	3	2

Elective

A minimum of 26 credits at Level 3 or above

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit
2784	Create and use a simple computer spreadsheet to solve a problem	2	3

Field	Subfield	Domain
Engineering and Technology	Mechanical Engineering	Any
Manufacturing	Manufacturing Skills	Can Making
		Competitive Manufacturing
		Manufacturing Processes
Service Sector	Supply Chain Management	Materials Management
	Lifting Equipment	Powered Industrial Lift Trucks

Transition Arrangements

This qualification replaced the National Certificate in Manufacturing and Mechanical Engineering (Level 3) [Ref: 0128].

Summary of differences between qualifications

- New qualification title reflects current nature of the industry.
- New qualification credit total is 65, changed from 210 credits in Q0128.
- Standards 497, 4810, 9677, 10791, 17593, 19506, 20799, 20917, 21329, 21330 and 21332 have been added to compulsory section.
- Compulsory standards 1279, 1307, 2990 and 8489 from Q0128 have not been included in the new qualification.
- The new qualification contains a single elective.

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

All new trainees will be enrolled in programmes leading to the award of the new qualification.

People currently working towards the National Certificate in Manufacturing and Mechanical Engineering (Level 3) [Ref: 0128] are encouraged to complete that qualification by 2012. The last date for award will be 31 December 2012. There are only eight credits in common between Q0128 and this qualification; candidates may choose to transfer their credits to this qualification.

Whilst these provisions should cater for most situations, the following exemptions are available for those who need to transfer to this qualification. The table includes exemptions arising from earlier replacement of standards.

Credit for	Exempt from
1307	9677
2824	17593
4795	20917
4796	20799
8489	21330

These exemptions will be available up to 31 December 2012.

Competenz will publicise these arrangements in the trade press and the Competenz website <http://www.competenz.org.nz/>, and by direct communication with trainees and their employers.

Industry will continue to recognise the former qualification, and there is no requirement for trainees to 'upgrade' to the new qualification.

It is not intended that anyone be disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to Competenz at the address below.

Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation
NZQA

Certification

The certificate will display the logos of NZQA, Competenz 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
78	Manufacturing	030101	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Manufacturing Engineering

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.

Review