

National Certificate in Manufacturing (Metal and Related Products) (Level 2)

Level 2

Credits 53

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 and the National Certificate in Manufacturing (Core Skills) (Level 2) [Ref: 1581] have been reviewed and replaced by the New Zealand Certificate in Manufacturing (Level 2) [Ref: 2729].

Last date for entry into programmes leading to the replaced qualifications is 31 December 2017.

Last date to meet the requirements is 31 December 2018.

It is recommended that candidates currently enrolled in the replaced qualifications who will be unable to complete the qualifications by the 31 December 2018 transfer to the New Zealand Certificate listed 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 2015
Revision	2	July 2014	December 2018
Review	3	March 2015	December 2018
Republication	3	August 2016	December 2018

Standard Setting Body

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Reviewed

National Certificate in Manufacturing (Metal and Related Products) (Level 2)

Level	2
Credits	54

Purpose

This is an introductory qualification for production personnel employed in the manufacture of metal and related products. It represents the skills and knowledge typically achieved in the first year of work in a manufacturing environment.

The compulsory section covers:

- health and safety;
- manufacturing processes;
- knowledge of metals and other materials used in manufacturing;
- measurement;
- engineering hand tools;
- interpersonal communications.

The elective section allows candidates to choose from a wide range of standards to suit the nature of their work and enterprise, and includes generic computing, competitive manufacturing, can making, manufacturing processes, materials management, mechanical engineering, and powered industrial lift trucks.

The optional standards allow additional communication skills to be included in the trainees' programme where this is needed in the context of their employment situation or to assist the achievement of the compulsory and elective standards.

This qualification leads to the National Certificate in Manufacturing (Metal and Related Products) (Level 3) [Ref: 1387] and may, in some circumstances, also lead to qualifications in Competitive Manufacturing such as the National Certificate in Competitive Manufacturing with strands in Introductory Application, and Technical Application [Ref: 1215].

Replacement Information

This qualification replaced the National Certificate in Manufacturing and Mechanical Engineering (Level 1) [Ref: 0126] and the National Certificate in Manufacturing and Mechanical Engineering (Level 2) [Ref: 0127].

Special Notes

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

Credit Range

	Compulsory	Elective	Optional Standards
Level 1 credits	14	-	0-5
Level 2 or above credits	19	21	0-6
Minimum totals	33	21	0-11

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
- Elective – A minimum of 21 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Core Generic > Core Generic > Work and Study Skills

ID	Title	Level	Credit
4249	Demonstrate care and timeliness as an employee	1	4
26626	Interpret statistical information for a purpose	1	3

Engineering and Technology > Mechanical Engineering > Engineering Core Skills

ID	Title	Level	Credit
2395	Select, use, and care for, engineering hand tools	2	4

Engineering and Technology > Mechanical Engineering > Engineering - Materials

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

Engineering and Technology > Mechanical Engineering > Engineering - Measurement

ID	Title	Level	Credit
4433	Select, use, and care for simple measuring devices used in engineering	1	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 team or group which has an objective	2	3

Humanities > Communication Skills > Writing

ID	Title	Level	Credit
3483	Fill in a form	1	2

Manufacturing > Manufacturing Skills > Manufacturing Processes

ID	Title	Level	Credit
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

Elective

A minimum of 21 credits at Level 2 or above

Business > Business Administration > Business Information Processing

ID	Title	Level	Credit
101	Develop and use keyboarding skills to enter text	1	3

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit
2780	Demonstrate and apply knowledge of a personal computer system	1	3

Field	Subfield	Domain
Engineering and Technology	Mechanical Engineering	Any

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

Optional standards

The following standards are optional

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1277	Communicate information in a specified workplace	2	3
3501	Demonstrate knowledge of and apply listening techniques	1	3
10790	Converse with others	1	2

Humanities > Communication Skills > Reading

ID	Title	Level	Credit
2989	Select, assess, and read texts to gain knowledge	2	3

Transition Arrangements

Version 2

Version 2 was issued following a revision of this qualification.

Changes to structure and content

- Compulsory standard 8491 was removed and replaced by standard 26626.
- Optional standards 2977 and 8489 were removed.
- An exemption from standard 26626 was added for people holding credit for standard 8491.

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

People working towards version 1 of the qualification, and who hold credit for unit standard 8491 may complete that version. People working towards version 1 who do not have credit for standard 8491 must transfer to version 2.

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

Credit for	Exempt from
8491	26626

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

It is not intended that anyone be disadvantaged by this revision, 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.

Previous version

Version 1 of this qualification replaced the National Certificate in Manufacturing and Mechanical Engineering (Level 1) [Ref: 0126] and the National Certificate in Mechanical Engineering (Level 2) [Ref: 0127].

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

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 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
78	Manufacturing	030101	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Manufacturing Engineering

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. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Reviewed