

National Certificate in Glass Container Manufacturing (Level 4)

Level 4

Credits 100

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2017.

Transition Arrangements

This qualification has been reviewed and will be replaced by the New Zealand Certificate in Glass Container Manufacturing (Level 4) with strands in Advanced Forming Operations; Advanced Finished Product Operations; and Advanced Batch and Furnace Operations [Ref: 2445].

Version 3 of this qualification has been republished to add a last date of enrolment, for programmes leading to this qualification, of 31 December 2016, and to extend the last date for assessment from 31 December 2016 to 31 December 2017.

People currently working towards this qualification must complete its requirements, or transfer to a programme of study or training leading to the replacement qualification by 31 December 2017.

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

NZQF National Qualification Registration Information

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|---------------|--------------------------|
| Registration | 1 | December 2008 | December 2011 |
| Review | 2 | February 2010 | December 2016 |
| Review | 3 | January 2015 | December 2017 |
| Republish | 3 | January 2016 | December 2017 |

Standard Setting Body

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Purpose

The National Certificate in Glass Container Manufacturing (Level 4) [Ref: 1462] is a technical qualification in the glass container manufacturing industry, and has similar status to traditional mechanical engineering industry trade qualifications. The qualification is designed to provide significant glass container manufacturing and related skills and knowledge for people who wish to become processing specialists in the glass container manufacturing industry.

Holders of this certificate are able to take responsibility for all facets of glass container manufacturing including materials and batching, furnace operations, job changing and forming, plant services, quality control, and packaging. They will also have developed team leadership and significant quality assurance skills and knowledge.

Certificate holders are encouraged to undertake further training. People interested in acquiring supervisory skills and knowledge may 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]. Alternatively, career paths towards various mechanical engineering roles are also available within the glass container manufacturing industry. These include those roles traditionally referred to as Fitters and Turners, Maintenance Fitters, and Precision Machinists, and are available through the National Certificate in Mechanical Engineering (Level 4) with strands in Fitting and Machining, General Engineering, Machining, Maintenance Engineering, Toolmaking, and Electricity Supply [Ref: 1262].

Credit Range

| | Compulsory | Elective |
|--------------------------|-------------------|-----------------|
| Level 2 credits | - | 0-60 |
| Level 3 credits | - | 0-60 |
| Level 4 or above credits | 40 | 0-60 |
| Minimum totals | 40 | 60 |

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

- A minimum of 100 credits
- Compulsory standards
- Elective – Balance

Detailed Requirements

Compulsory

The following standards are required

Manufacturing > Glass and Glazing > Glass Container Manufacturing

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 18924 | Control and optimise the glass container forming process | 4 | 20 |
| 23070 | Demonstrate knowledge of glass container raw materials and control glass furnace operations | 4 | 20 |

Elective

The balance of credits to achieve

A minimum of 100 credits

May come from the following

| Field | Subfield | Domain |
|----------------------------|--------------------------------|---|
| Business | Management | Any |
| Engineering and Technology | Electrical Engineering | Core Electrical |
| | Mechanical Engineering | Any |
| Health | Occupational Health and Safety | Occupational Health and Safety Practice |
| Humanities | Communication Skills | Any |
| Manufacturing | Glass and Glazing | Glass Container Manufacturing |
| | Manufacturing Skills | Competitive Manufacturing Manufacturing Processes |

Transition Arrangements

Version 2

Version 2 was issued following review.

Changes to structure and content

- The compulsory section has been reduced from 28 standards to two standards – 18924 and 23070. The removed standards continue to form part of the qualification within their designated domains in the elective section.
- An elective section has been added consisting of subfields and domains.
- The total credits have been reduced from 200 to 100 credits.
- The title of this qualification has been truncated to National Certificate in Glass Container Manufacturing (Level 4).
- The purpose statement has been updated as this qualification no longer requires the prior award of the National Certificate in Engineering and Technology (Glass Container Mould Maintenance) Level 3 [Ref: 1379].

For detailed information see Review Summaries on the NZQA website.

All existing candidates may complete version 1 or transfer their existing achievements to version 2.

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.

Previous version of the qualification

Version 1 was developed following an extensive review of standards and qualifications from the Glass Container Manufacturing domain. As a result of the review the National Certificates in Engineering and Technology (Glass Containers) (Level 2-4) [Ref: 0947-0949] were designated expiring.

There were significant differences between the qualification and existing candidates enrolled in programmes leading to the expiring qualifications could complete their existing programme or transfer to this qualification. However, they were advised to take into account the substantial differences between the expiring qualifications and the new qualification. The last date for assessments to take place for the expiring qualifications is 31 December 2011.

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 |
|------------|-------------|
| 1300 | 9677 |
| 1711, 2026 | 15862 |

| Credit for | Exempt from |
|------------|--------------|
| 17497 | 21335 |
| 18771 | 23065 |
| 18923 | 23067, 23068 |

Certification

The certificate will display the logos of NZQA, Competenz 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 |
| 1798 | Manufacturing > Glass and Glazing > Glass Container Manufacturing | 030306 | Engineering and Related Technologies > Process and Resources Engineering > Ceramics, Industrial Glass and Rubber Manufacturing |

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.