

## National Certificate in Masonry (Bricklaying) with strands in Brick and Block Laying, and Refractory Installation

**Level** 3

**Credits** 86-107 (dependent on strand)

This qualification is **expiring**. The last date to meet the requirements is 31 December 2011.

### Purpose

This certificate is awarded to people who have demonstrated competence in their chosen strand. Holders of the qualification are able to carry out the tasks required to secure and competently fulfil brick and block laying or refractory installation in a safe and professional manner, and to work with a high level of knowledge and skill within the scope of the selected strand. This certificate is designed for those wishing to work in the industry; to maintain standards for the industry; and to provide a means of recognising prior learning for those already working in the industry.

### Special Notes

The 'Recognition of current competence' assessment process acknowledges the skills and knowledge gained from work and experience, or from courses of study undertaken. Assessment of recognition of current competence may be conducted by an assessor appointed by the Building and Construction Industry Training Organisation, or an accredited provider.

Application for recognition of current competence may be initiated by contacting the Building and Construction Industry Training Organisation.

### Replacement Information

This qualification has been replaced by National Certificate in Refractory Installation [Ref: 1355] and the National Certificate in Brick and Block Laying [Ref: 1356].

### Credit Range

	Core Compulsory	Brick and Block Laying Strand	Refractory Installation Strand
Level 1 credits	1	-	-
Level 2 credits	16	0-8	-
Level 3 credits	52	0-17	38
Level 4 credits	-	0-11	-
Minimum totals	69	17	38

## 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

- Core Compulsory standards

One of the following strands is required

- Brick and Block Laying Strand
- Refractory Installation Strand

### Detailed Requirements

#### Core Compulsory

The following standards are required

Health > Health Studies > Core Health

ID	Title	Level	Credit
6402	Provide basic life support	1	1

Planning and Construction > Masonry > Brick and Block Laying

ID	Title	Level	Credit
6079	Build a straight brick wall with a return corner	2	8
6080	Build a curved brick wall	3	8
6082	Construct single centred brick arches	3	6
6085	Build a fire back	3	3
6088	Build a straight block wall with a return corner	2	8
6089	Build a curved block wall	3	8
12889	Lay brick sills	3	2
12890	Lay bricks on edge	3	2

ID	Title	Level	Credit
12891	Lay soldier courses	3	2
12892	Build a straight brick wall with a squint corner	3	3
12893	Build decorative brick bonded panel	3	5
12894	Build convex and concave curves on brick walls	3	5
12895	Lay clay or concrete brick, clay or concrete paving units and natural stone	3	8

### Brick and Block Laying Strand

A minimum of 17 credits

From the following sets

- Elective List 1
- Elective List 2

### Elective List 1

A minimum of 9 credits

Planning and Construction > Masonry > Brick and Block Laying

ID	Title	Level	Credit
6081	Build a structural brick wall	3	8
6083	Construct multi-centred and gauged brick arches	4	6
6084	Build a brick chimney	3	12
6086	Install a pre-cast fire surround	3	2
6087	Erect a pre-cast chimney	3	4
6090	Reinforce masonry using grout	3	3
6091	Build a block chimney	3	6

### Elective List 2

A minimum of 8 credits

Manufacturing > Glass and Glazing > Flat Glass

ID	Title	Level	Credit
2058	Install glass blocks using mortar systems	4	5

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
629	Select and use adhesives and sealants in construction work	3	3

## Planning and Construction &gt; Masonry &gt; Brick and Block Laying

ID	Title	Level	Credit
12888	Build a straight natural stone wall with a return corner	2	8

**Refractory Installation Strand**

A minimum of 38 credits

## Planning and Construction &gt; Masonry &gt; Refractory Installation

ID	Title	Level	Credit
6092	Demonstrate knowledge of refractories	3	6
6093	Build a straight brick refractory wall including anchored walls and corners	3	10
6094	Build a curved brick refractory installation	3	8
6095	Install plastic monolithic refractories and ramming mixes	3	8
6096	Install refractory gunning mixes	3	8
6097	Install castable refractories	3	8
6098	Install acid resistant refractory linings	3	8
6099	Install man-made refractory mineral fibres	3	8

**Transition Arrangements****Version 4**

Version 4 was issued following the change of standard setting responsibility from Creative Trades Industry Training Organisation to the Building and Construction Industry Training Organisation. The qualification will still expire on 31 December 2011.

## Changes to content

- The name and contact details of the Standard Setting Body were updated.

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

For the purposes of this qualification people who have gained credit for the replacement standards are exempt from the requirement to gain credit for the replaced standard.

Credit for	Exempt from
13028, 13064	629
26551	6402

## Previous versions of the qualification

Version 3 was issued to extend the expiry date of the qualification from 31 December 2010 to 31 December 2011.

This qualification was replaced by National Certificate in Refractory Installation [Ref: 1355] and the National Certificate in Brick and Block Laying [Ref: 1356].

Version 2 was first republished in November 2008 to include an exemption from standard 629 so that the qualification could be achieved until it reached its expiry date.

Version 1 replaced the Trade Certificate in Bricklaying.

Transition arrangements applied to:

- 1 People who had an incomplete Trade Certificate in Bricklaying and who had paid assessment or examination fees for Trade Certification;
- 2 People who had an incomplete or a completed Traineeship in Masonry.

The transition arrangements held from 1 January 1998 to 31 December 2000. Any person with an incomplete Trade Certificate in Bricklaying after that time needed to complete the requirements of the National Certificate in Masonry (Bricklaying) with strands in Brick and Block Laying, and Refractory Installation. In that situation, credits were given for completed assessments as set out in the following transition tables. Where qualifications were incomplete, an assessment for some unit standards of the National Certificate could be undertaken through the principles of recognition of prior learning.

The requirements of the Trade Certificate in Bricklaying were:

Pass in First Assessment	(Theory and Practical Assessment)
Pass in Second Assessment	(Theory and Practical Assessment)
Pass in Trade Certificate	(Practical Assessment)
Pass in Trade Certificate	(External Theory Examinations)
Completion of 8,000 hours time served.	

As part of the structured industry training a Third Assessment could also be gained by those in apprenticeship agreements. Although that prepared the candidate for the Trade Certificate examination, gaining the assessment was not a prerequisite for gaining the Trade Certificate.

**Timeline**

The timeline for the introduction of the National Certificate in Bricklaying was:

Group 1	Refers to apprentices entering time served contracts during which they attend off-site training for First Assessment 1995.
Group 2	Refers to apprentices entering time served contracts during which they attend off-site training for First Assessment in 1996.
Group 3	Refers to apprentices entering time served contracts during which they attend off-site training for First Assessment in 1997, or having otherwise gained First Assessment by 1 January 1998.
Group 4	Refers to trainees entering pre-employment training programmes or apprenticeships at a date which has precluded their gaining First Assessment in or before 1997.

People entering training agreements during the 1998 year who had already gained First Assessment outside of an apprenticeship or traineeship were included with the group of contemporary progress.

Year	Group 1	Group 2	Group 3	Group 4
1997	Trade Certificate	Second Assessment	First Assessment	
1998	Advanced Trade Certificate	Trade Certificate	Second Assessment	National Certificate Qualifications only available
1999		Advanced Trade Certificate	Trade Certificate	National Certificate Qualifications only available
2000			Advanced Trade Certificate	National Certificate Qualifications only available

**student fees for transition**

Candidates were, where necessary, required to pay the \$25 registration fee to the New Zealand Qualifications Authority.

The NZ Painting Contractors Association of Employers Industry Training Organisation collated all transition information and forwarded this to NZQA. The \$1 per credit fee was waived for all information transferred in this way.

The \$1 per credit fee was not waived for candidates who had outstanding assessment fees.

**critical dates**

31 December 1997	Last date for entering a training agreement for which time served was a prerequisite for the qualification
31 December 2000	Last date for candidates claiming the transition arrangements
31 May 2001	Last date for the award of Trade Certificate
31 December 2001	Last date for award of Advanced Trade Certificate

**publicity**

NZ Painting Contractors Association of Employers Industry Training Organisation and the New Zealand Masonry Trades Employers Federation (Inc) publicised the transition arrangements through a newsletter sent to employers, apprentices and training providers.

**concerns with transition arrangements**

Candidates who considered that they were seriously disadvantaged by the transition arrangements could contact NZ Painting Contractors Association of Employers Industry Training Organisation.

**Transition Table 1**

Unit standards credited towards National Certificate Masonry (Bricklaying) Brick and Block Laying strand for part completed Apprenticeships

<b>Part Completed</b>	<b>Unit Standards Credited</b>	<b>Unit Standards Exempted</b>	<b>Unit Standards to be Completed</b>	<b>Electives that must be Completed</b>
<b>FIRST ASSESSMENT</b>				
<b>Stage 1 Completed</b>				
<b>Brick and Blocklaying</b>	6079, 12890, 12891, 12893	6402	6080, 6082, 6085, 6088, 6089, 12889, 12892, 12894, 12895	Minimum of 17 credits from the following: 629, 6081, 6083, 6084, 6086, 6087, 6090, 6091, 2058, 12888
<b>SECOND ASSESSMENT</b>				
<b>Stage 1 and 2 Completed</b>				
<b>Brick and Blocklaying</b>	6079, 6082, 6088, 12889, 12890, 12891, 12893, 12894	6402	6080, 6085, 6089, 12892, 12895	Minimum of 17 credits from the following: 629, 6081, 6083, 6084, 6086, 6087, 6090, 6091, 2058, 12888

<b>THIRD ASSESSMENT</b>				
<b>Brick and Blocklaying</b>	6079, 6080, 6082, 6085, 6088, 6089, 12889, 12890, 12891, 12892, 12893, 12894, 12895	6402		Minimum of 17 credits from the following: 629, 6081, 6083, 6084, 6086, 6087, 6090, 6091, 2058, 12888

**Transition Table 2**

Unit standards credited towards National Certificate in Masonry (Bricklaying) Refractory Installation strand for part completed Apprenticeships

<b>Part Completed</b>	<b>Unit Standards Credited</b>	<b>Unit Standards Exempted</b>	<b>Unit Standards to be Completed</b>	<b>Options that must be Completed</b>
<b>FIRST ASSESSMENT</b>				
<b>Stage 1 Completed</b>				
<b>Brick and Blocklaying</b>	6079, 12890, 12891, 12893	6402	6080, 6082, 6085, 6088, 6089, 12889, 12892, 12894, 12895	Minimum of 38 credits from the following: 6092, 6093, 6094, 6095, 6096, 6097, 6098, 6099
<b>SECOND ASSESSMENT</b>				
<b>Stage 1 and 2 Completed</b>				
<b>Brick and Blocklaying</b>	6079, 6082, 6088, 12889, 12890, 12891, 12893, 12894	6402	6080, 6085, 6089, 12892, 12895	Minimum of 38 credits from the following: 6092, 6093, 6094, 6095, 6096, 6097, 6098, 6099
<b>THIRD ASSESSMENT</b>				
<b>Brick and Blocklaying</b>	6079, 6080, 6082, 6085, 6088, 6089, 12889, 12890, 12891, 12892, 12893, 12894, 12895	6402		Minimum of 38 credits from the following: 6092, 6093, 6094, 6095, 6096, 6097, 6098, 6099



## NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	April 1998	December 2011
Review	2	February 2008	December 2011
Republished	2	November 2008	December 2011
Revision	3	August 2010	December 2011
Revision	4	July 2011	December 2011

### Standard Setting Body

Building and Construction Industry Training Organisation  
PO Box 2615  
Wellington 6140

Telephone 04 381 6430  
Email [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz)  
Website <http://www.bcito.org.nz>

### Certification

The certificate will display the logos of NZQA, the Building and Construction Industry Training Organisation 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
343	Planning and Construction > Masonry	040309	Architecture and Building > Building > Bricklaying and Stonemasonry

#### 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.

## Prerequisite Diagram

