

National Certificate in Concrete Production (Level 3)

Level 3

Credits 88

This qualification has been reviewed. The last date to meet the requirements is 31 December 2022.

Transition Arrangements

This qualification was republished in July 2021 to extend the last date of entry into programmes leading to this qualification to 31 December 2021. The last date for assessment has been extended to 31 December 2022.

This qualification has been replaced by the New Zealand Certificate in Concrete Production (Level 4) with strands in Batching, Dispatching, and Concrete Testing (with optional strand in Tensile Testing) [Ref: 4187].

People currently working towards this qualification must either complete the requirements by 31 December 2022 or transfer to the replacement New Zealand qualification.

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

NQF Registration Information

| Process | Version | Date | Last Date for Assessment |
|---------------|---------|---------------|--------------------------|
| Registration | 1 | February 2000 | 31 December 2009 |
| Revision | 2 | February 2005 | 31 December 2010 |
| Revision | 3 | May 2008 | 31 December 2011 |
| Review | 4 | April 2010 | 31 December 2022 |
| Review | 5 | November 2019 | 31 December 2022 |
| Republication | 5 | March 2020 | 31 December 2022 |
| Republication | 5 | November 2020 | 31 December 2022 |
| Republication | 5 | July 2021 | 31 December 2022 |

Standard Setting Body

Building and Construction Industry Training Organisation
PO Box 2615
WELLINGTON

Telephone 04 381 6430
Email national.office@bcito.org.nz
Website www.bcito.org.nz

National Certificate in Concrete Production (Level 3)

| | |
|----------------|-----------|
| Level | 3 |
| Credits | 88 |

Purpose

The National Certificate in Concrete Production (Level 3) [Ref: 0731] is designed for people wishing to work in the concrete production industry. It also provides a means of recognising current competence for those already working in the industry.

The Compulsory section of the qualification recognises the core skills and knowledge required by industry for concrete producers, including detailed knowledge of hazard identification and safety, first aid, concrete industry practices, concrete materials, use and maintenance of equipment associated with concrete production, handling of orders and production of ready-mixed concrete and concrete testing. The Optional section offers the choice of standards covering confined space entry, which, while not compulsory for a qualified concrete producer, may be required in a candidate's individual workplace.

The qualification builds on the underpinning knowledge and skills provided by the National Certificate in Concrete Core Skills (Level 2) [Ref: 1452], and shares common standards with other qualifications in the Concrete subfield at level 3 and above, allowing transferable skills to be recognised between sectors of the concrete industry.

Special Notes

- 1 It is expected that candidates for this qualification will have an existing basic knowledge of concrete industry practices. Consequently, standards 24879, 24880, 24881, 24882 and 24883, or the demonstration of equivalent knowledge and skills, are a prerequisite for entry to this qualification.
- 2 Unit 16701, *Demonstrate knowledge and skills for driving on a road for endorsement W (wheels)*, which is required to achieve this qualification, requires a current full driver's licence of the appropriate class for the gross vehicle mass of the vehicle to be used for assessment.

Credit Range

| | Compulsory | Optional |
|--------------------------|-------------------|-----------------|
| Level 1 credits | 1 | - |
| Level 2 credits | 8 | - |
| Level 3 or above credits | 79 | 0–12 |
| Minimum totals | 88 | 0–12 |

Requirements for Award of Qualification

Award of NQF Qualifications

Credit gained for a unit 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

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

| ID | Title | Level | Credit |
|------|--|-------|--------|
| 2401 | Shut down, isolate and start up machines and equipment | 3 | 3 |

Health > Health Studies > Core Health

| ID | Title | Level | Credit |
|------|--|-------|--------|
| 6400 | Manage first aid in emergency situations | 3 | 2 |
| 6401 | Provide first aid | 2 | 1 |
| 6402 | Provide resuscitation level 2 | 1 | 1 |

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

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 18426 | Demonstrate knowledge of hazards associated with confined space | 3 | 4 |

Planning and Construction > Concrete > Concrete Core Skills

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 26053 | Carry out routine tests on fresh concrete | 3 | 5 |
| 26055 | Cast concrete cylinders for compression testing | 3 | 2 |

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 26058 | Demonstrate knowledge of environmental management within the concrete industry | 3 | 5 |
| 26059 | Demonstrate knowledge of concrete industry standards and codes of practice | 2 | 2 |
| 26063 | Carry out routine tests on hardened concrete | 3 | 5 |

Planning and Construction > Concrete > Concrete Production

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 12012 | Maintain concrete batching equipment and machinery | 2 | 5 |
| 12014 | Coordinate receipt, batching and delivery of orders for concrete | 3 | 8 |
| 26219 | Demonstrate knowledge of maintenance and transportation requirements to convey ready mixed concrete to sites by truck | 3 | 4 |
| 26220 | Demonstrate knowledge of concrete equipment and produce ready mixed concrete | 3 | 18 |

Planning and Construction > Concrete > Concrete Product Manufacture

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 26065 | Demonstrate knowledge of receiving, storing, maintaining and moving materials for concrete product manufacture | 3 | 5 |

Planning and Construction > Concrete > Concrete Technology

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 12020 | Demonstrate knowledge of concrete materials technology | 4 | 8 |

Planning and Construction > Construction Trades > Core Construction

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 26039 | Demonstrate knowledge of safe working and environmental practices in construction industry manufacturing workplaces | 3 | 3 |
| 26040 | Carry out safe working and environmental practices in construction industry manufacturing workplaces | 4 | 4 |

Service Sector > Driving > Driver Licence Endorsements

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 16701 | Demonstrate knowledge and skills for driving on a road for endorsement W (wheels) | 3 | 3 |

Optional standards

The following standards are optional

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

| ID | Title | Level | Credit |
|-------|-----------------------------|-------|--------|
| 17599 | Plan a confined space entry | 4 | 5 |

Planning and Construction > Concrete > Concrete Core Skills

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 26054 | Perform a confined space entry in the concrete industry | 3 | 5 |

Service Sector > Driving > Driver Licence Endorsements

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 18496 | Demonstrate knowledge and skills for driving a forklift on a road for endorsement F (forklifts) | 3 | 2 |

Transition Arrangements

Version 4

Version 4 was issued following review in order to make changes to content to reflect the current needs of industry and to reclassify it from the *Construction Trades* subfield to the *Concrete* subfield.

Changes to structure and content

- Descriptor (Ready-Mixed Concrete) was removed from the title.
- The qualification was reclassified from Planning and Construction > Construction Trades > Concrete Production to Planning and Construction > Concrete > Concrete Production.
- Credit total for the qualification increased from 72 to 88.
- Purpose statement was amended to more accurately reflect the content and purpose of the qualification.
- Special notes were updated to include prerequisite standards 24879, 24880, 24881, 24882 and 24883, and to remove the requirement for Communication Skills standards.
- Standard titles and credits were updated to reflect the outcome of review.
- Standard 26053 replaced standard 12019, standard 26219 replaced standard 12039, and standard 26220 replaced standard 12011.
- Standards 12015, 12997 and 13036 were removed from the Compulsory.
- Standards 2401, 16701, 18426, 26039, 26040, 26055, 26058, 26059, 26063, and 26065 were added to the Compulsory.
- Standards 12023 and 12040 were removed from the Optional standards.
- Standards 17599, 18496 and 26054 were added to the Optional standards.

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

People currently working towards earlier versions of this qualification may either complete the requirements for that version or transfer their results to version 4.

Final date for entry to training programmes for version 3 is 30 April 2010.

It is the intention of the BCITO that no existing candidate is disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged should contact the BCITO at the address given below.

Previous versions of the qualification

Version 3 was issued following revision to update credit totals for the qualification after review of Carpentry and Carpentry Theory standards. Changes to structure and content included updating of details of standards 12997 and 13036, credit total for the qualification decreasing from 73 to 72, and reference to Sixth Form Certificate English in special notes being replaced with 'credits from the *Communication Skills* and *English* subfields at level 2 or above'.

Version 2 was issued following review of Concrete Construction, Concrete Production and Concrete Technology standards. Changes to structure and content included updating the credit values for standards 12039, 12997, and 13036, and updating titles of standards 12012, 12019, 12039, and 12040.

Planned Review

Any person or organisation may contribute to the review of this qualification by sending feedback to the standard setting body at the above address.

| | |
|-------------|------|
| Next Review | 2014 |
|-------------|------|

Other standard setting bodies whose standards are included in the qualification

Competenz
Connexis
MITO
NZQA
The Skills Organisation

Certification

This certificate will display the logos of NZQA, the Building and Construction Industry Training Organisation 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.

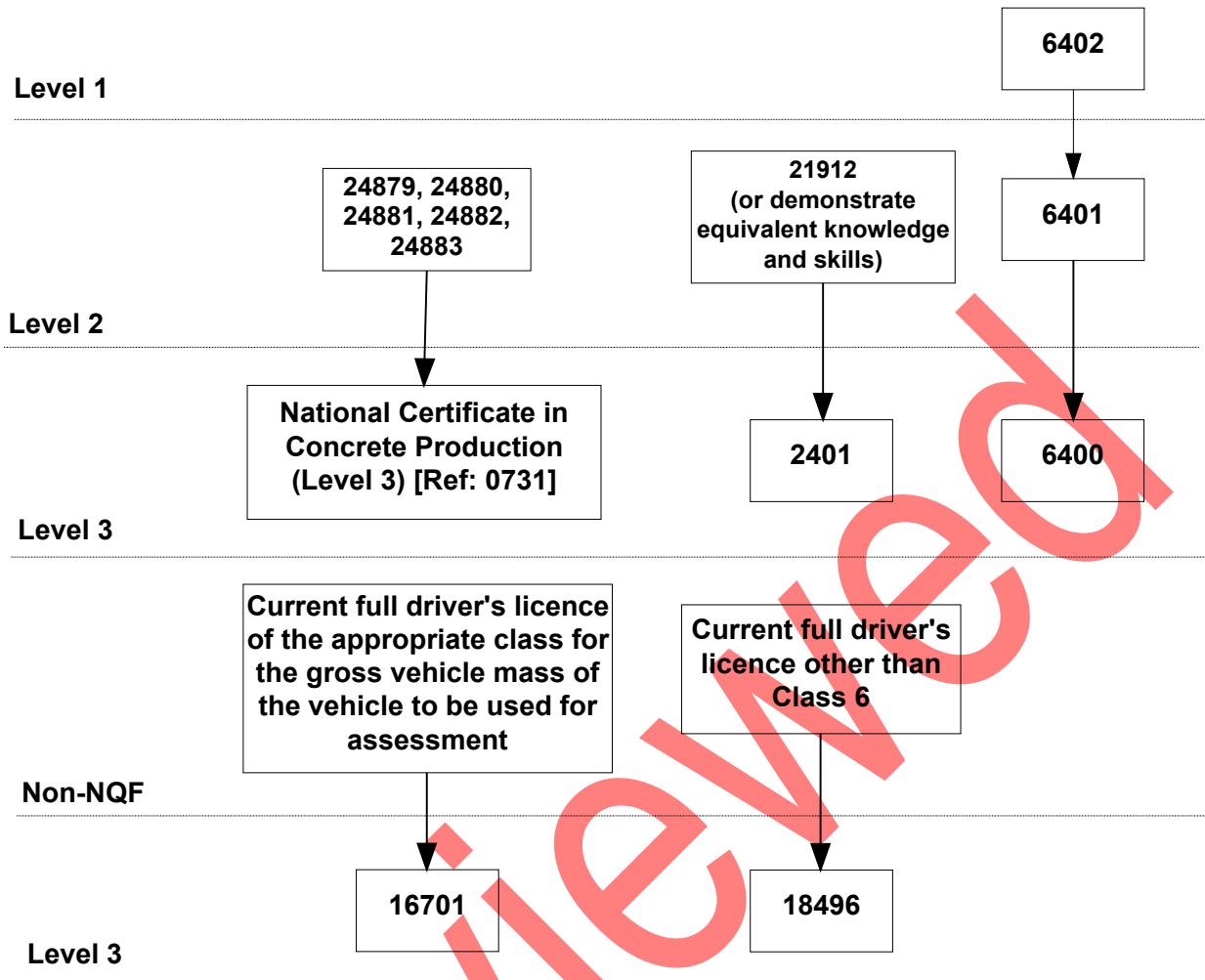
| NQF Classification | | NZSCED | |
|--------------------|--|--------|--|
| Code | Description | Code | Description |
| 2102 | Planning and Construction > Concrete > Concrete Production | 040399 | Architecture and Building > Building > Building not elsewhere classified |

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 Consent and Moderation Requirements (CMR) for each standard.

Reviewed

Prerequisite Diagram



Recommended Diagram

