

National Certificate in Carpentry (Level 4)

Level 4

Credits 294

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2021.

Transition Arrangements

Version 11 of this qualification was republished in November 2019 to extend the last date of assessment from 31 December 2020 until 31 December 2021. The last date for entry to this qualification has passed.

This qualification has been replaced by the New Zealand Certificate in Carpentry (Level 4) [Ref: 2738]. People currently working towards this qualification must either complete the requirements by 31 December 2021 or transfer to New Zealand Certificate in Carpentry (Level 4) [Ref: 2738].

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

NZQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	July 1995	Withdrawn
Revision	2	January 1996	December 2003
Review	3	January 1998	December 2003
Revision	4	April 1998	December 2003
Review	5	June 2000	December 2006
Review	6	May 2002	Withdrawn
Review	7	July 2002	December 2010
Revision	8	August 2005	Withdrawn
Revision	9	June 2006	December 2013
Review	10	April 2008	December 2020
Review	11	April 2015	December 2020
Republished	11	October 2016	December 2020
Republished	11	July 2017	December 2020
Republished	11	November 2019	December 2021

Standard Setting Body

Building and Construction Industry Training Organisation
PO Box 2615
WELLINGTON

Telephone 04 381 6430

Email national.office@bcito.org.nz

Website <http://www.bcito.org.nz/>

National Certificate in Carpentry (Level 4)

Level	4
Credits	294

Purpose

This qualification recognises the skills and knowledge required to work as a carpenter in the construction industry. People who gain the qualification will have a broad enough knowledge and skill base to work as a competent tradesperson whether they specialise in residential, industrial, commercial or multi-storey construction.

The qualification consists of compulsory carpentry theory, carpentry practical, and first aid standards, and elective standards from the domains of Carpentry, Carpentry Theory, Concrete Construction and Specialist Interiors. This allows for some flexibility in obtaining the knowledge and practical skills required to be a competent carpenter depending on the type of construction work available while completing the qualification. No matter which of the standards are selected from the elective sections, the National Certificate in Carpentry (Level 4) is designed to reflect the skills and knowledge people will have to demonstrate to hold a Carpentry Licence.

This qualification is a prerequisite to the National Certificate in Construction (Leading Hand) (Level 4) [Ref: 1130] and the National Certificate in Construction (Supervisor) (Level 5) [Ref: 1131].

Special Notes

Recommended for entry

Due to the health and safety requirements of the sites in which these trade skills are applied, people entering programmes of education and training leading to the award of this qualification must demonstrate the capacity to understand any and all requirements, instructions, and communications (oral, written and graphic), to the required industry level. This might be evidenced by standards or achievement standards from the Communication Skills and English subfields at level 2 or above, or the demonstration of equivalent knowledge and skills.

For people who do not have English as their first language, the level of English language skills required is equivalent to an International English Language Testing System (IELTS) score of 5.0.

Recognition of current competence

The National Certificate in Carpentry (Level 4) [Ref: 0016] replaced the Trade Certificate in Carpentry. People can apply for recognition of current competence (RCC) to have their existing skills and knowledge recognised. Applications for RCC should be made to the Building and Construction Industry Training Organisation. There are associated fees.

Non-NQF carpentry programmes

Accredited providers offering programmes in carpentry not leading to a award of the National Certificate in Carpentry (Level 4) [Ref: 0016], that wish to cross-credit from these programmes to this qualification, must apply to the Building and Construction Industry Training Organisation (attn: National Moderator) outlining which learning outcomes are equivalent with the standards in this qualification.

Credit Range

	Compulsory	Elective A	Elective B
Level 1 credits	1	–	–
Level 2 credits	1	–	–
Level 3 credits	121	–	0-109
Level 4 credits	113	8 or 12	0-106
Minimum totals	236	8	50

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 – A minimum of 1 standard as specified
- Elective B – A minimum of 10 standards as specified

Detailed Requirements

Compulsory

The following standards are required

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

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
13037	Safely use and maintain carpentry hand tools on site	3	6
13038	Safely use and maintain bench saws to machine timber on site	3	2
13039	Safely use and maintain portable power tools and attachments for construction work on site	3	8
13040	Carry out preliminary work and site establishment on a construction site	4	3
13041	Set out buildings on site	4	7
13042	Set up levelling equipment and take levels on construction sites	4	5
13043	Excavate and prepare for footings and slab on ground on site	3	8
13045	Construct formwork for footings, foundations and walls up to 1.2 metres on site	3	12
13046	Fabricate and place reinforcing steel and steel mesh on site	3	5
13049	Set out, cut, assemble and erect timber wall framing on site	4	16
13058	Cut, fit and fix interior linings and trim on site	4	10
13059	Install mechanical fixings and building hardware on site	3	4
13064	Use adhesives and sealants on site	4	3
24398	Cut, fit and fix exterior cladding on site	4	16
24399	Install exterior and interior, and wet area joinery and fixtures on site	3	10
24401	Install thermal insulation materials in buildings on site	3	1

Planning and Construction > Construction Trades > Carpentry Theory

ID	Title	Level	Credit
12998	Demonstrate knowledge of carpentry hand tools	3	4
12999	Demonstrate knowledge of timber machining equipment used on construction sites	3	3
13000	Demonstrate knowledge of portable power tools used on construction sites	3	4
13002	Demonstrate knowledge of timber used in construction	3	2
13004	Demonstrate knowledge of setting out a building	4	3
13005	Demonstrate knowledge of spot levels and contour plans	4	3
13006	Demonstrate knowledge of preparation for footings and slab on ground construction	4	2
13008	Demonstrate knowledge of formwork for footings, foundations, beams and walls up to 1.2 metres	3	4
13009	Demonstrate knowledge of fabrication and placing of reinforcing steel and steel mesh	3	1
13010	Demonstrate knowledge of making and placing concrete	3	3
13015	Demonstrate knowledge of construction subcontractors' work and main contractor's responsibilities	3	1
13016	Demonstrate knowledge of timber and metal scaffolds up to five metres	3	2
13017	Demonstrate knowledge of fixing exterior claddings	4	3
13019	Demonstrate knowledge of the installation of metal and translucent roof claddings and roof lights	3	2
13020	Demonstrate knowledge of alternative roof cladding materials and their installation requirements	3	1
13023	Demonstrate knowledge of selection and installation of mechanical fixings and building hardware	3	2
13024	Demonstrate knowledge of features and construction of pole frames and pole platforms	4	1
13026	Demonstrate knowledge of retaining wall construction	3	2
13028	Demonstrate knowledge of adhesives and sealants used in construction work	3	2
13029	Demonstrate knowledge of erecting in situ high wall, column, beam, and slab falsework and formwork	4	3
13031	Demonstrate knowledge of regulations and precautions for demolition work	3	1
13032	Demonstrate knowledge of non-mechanical and mechanical construction equipment	3	1
13033	Demonstrate knowledge of alternative building construction methods	4	1

ID	Title	Level	Credit
13034	Demonstrate knowledge of prefabricated beams used in construction	4	1
21211	Demonstrate knowledge of the principles of, and methods used in weatherproofing buildings	3	4
24362	Demonstrate knowledge of working drawings and specifications for building work	3	3
24363	Demonstrate knowledge of proprietary suspended concrete floor systems	4	2
24364	Demonstrate knowledge of compliance with building legislation	3	3
24378	Perform building calculations	3	4
24379	Demonstrate knowledge of preliminary work needed for construction	4	2
24380	Demonstrate knowledge of construction of pile foundations	3	4
24381	Demonstrate knowledge of floor framing and flooring construction	3	3
24382	Demonstrate knowledge of setting out, assembling and erecting timber and steel wall frames	4	5
24383	Demonstrate knowledge of equal pitch gable, and hip, timber and steel roof construction	4	5
24384	Demonstrate knowledge of construction of alternative roof structures	4	4
24385	Demonstrate knowledge of construction principles and installation of exterior and interior joinery, showers and baths	3	2
24386	Demonstrate knowledge of thermal insulation and sound control for buildings	4	2
24388	Demonstrate knowledge of cutting, fitting and fixing interior linings and trim	4	5
24389	Demonstrate knowledge of stair and ramp construction	4	4
24391	Demonstrate knowledge of the construction of concrete masonry structures and paving	3	2
24392	Demonstrate knowledge of alterations and additions for construction	4	3

Planning and Construction > Construction Trades > Core Construction

ID	Title	Level	Credit
12997	Demonstrate knowledge of safe working practices on construction sites	3	3
13036	Carry out safe working practices on construction sites	4	4

Elective A

A minimum of 1 standard

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
18730	Set out, cut and erect equal pitch timber gable and hip roof framing on site	4	12
18732	Erect timber roof trusses on site	4	8
24365	Construct substrates for roofing systems on structural steel framework on site	4	8

Elective B

A minimum of 10 standards

From the following sets

- Set 1
- Set 2

Set 1

A minimum of 8 standards

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
13047	Receive, transport, place, finish and cure concrete on site	3	7
13051	Construct timber framed roofs of alternative design on site	4	8
13052	Attend to construction subcontractors on site	3	4
13053	Erect scaffolds up to five metres on site	3	4
13056	Install metal roof claddings and verify the installation of roof claddings by others on site	4	4
13060	Construct pole frames or pole platforms on site	4	12
13062	Construct retaining walls on site	3	10
13063	Attend to and check the construction of concrete masonry structures and paving on site	3	2
13065	Construct in situ high wall, column and beam falsework and formwork on site	4	16
13066	Erect and fix prefabricated beams on site	4	4
18727	Plan and carry out demolition work on site	4	10
18728	Set up, place and fix proprietary suspended concrete floor systems on site	4	12

ID	Title	Level	Credit
24396	Construct pile foundations on site	3	16
24397	Construct floor framing and flooring on site	3	10
24400	Construct stairs and ramps on site	3	6
24402	Install sound control systems in buildings on site	4	3

Planning and Construction > Construction Trades > Concrete Construction

ID	Title	Level	Credit
12041	Coordinate delivery of and erect pre-cast concrete units on site	3	8

Planning and Construction > Construction Trades > Specialist Interiors

ID	Title	Level	Credit
4346	Demonstrate knowledge of, set out and install interior proprietary partitions on site	3	17
6155	Demonstrate knowledge of, set out and install suspended ceilings on site	3	22

Set 2

A maximum of 2 standards

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
20889	Set out and erect steel wall framing on site	4	12
20890	Fabricate and assemble steel wall and roof framing on site	4	12
20892	Set out and erect steel frame roofs on site	4	12
20893	Erect steel frame roof trusses on site	4	8

Transition Arrangements

Version 10

Version 10 was issued following a scheduled review to update content in accordance with identified industry requirements, and with changes to standards in the Carpentry and Carpentry Theory domains. The review incorporated new standards and replacements for expiring standards, opened up the Elective B section to allow a wider choice of standards, and recognised the need for better integration of commercial construction activities in the qualification.

Changes to structure and content

- Titles, levels, and credits of standards were updated to reflect the outcome of reviews.
- Standard 13046 has been moved from Elective B to the Compulsory section.
- Expiring standards 13001, 13003, 13007, 13011, 13012, 13013, 13014, 13018, 13021, 13022, 13025, 13027, 13030, 13044, 13048, 13054, 13055, 13061, 18729 and 18731 have been replaced.
- Standards 13035, 13067 and 4347 have been removed from the qualification.
- Three new standards 24362, 24363 and 24364 have been added to the Compulsory section.
- One new standard 24365 has been added to Elective A, giving a choice between three standards for this elective.
- The total number of standards required for Elective B has been reduced to 10, and it has been expanded to include two sets. A new Set 2 includes four steel framing standards 20889, 20890, 20892 and 20893, of which a maximum of two may be selected to meet the new Elective B requirement.
- Minimum credit total for the Compulsory section has increased from 223 to 236.
- Minimum credit total for Elective B has decreased from 59 to 50.
- Minimum credit total for the qualification has increased from 290 to 294.

People currently working towards version 7 or version 9 may choose to complete that version or transfer their results to version 10.

Final date for assessments to take place for version 7 is 31 December 2010. Final date for entry into version 9 is 1 May 2008, and final date for assessments to take place for version 9 is 31 December 2013.

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

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
13003	24379
13007, 13011	24380, 24381
13011	24381
13012, 20887	24382
13013, 20888	24383
13014	24384
13021	24386
13030	24392

Credit for	Exempt from
13044, 13048	24396, 24397
13048	24397
13061	24400
18729	24401
18731	24402

Previous versions of the qualification

Version 9 was issued in order to remove steel framing standards 20887, 20888, 20889, 20890, 20892 and 20893 from Elective B. The total minimum credits increased from 284 to 290 as a result (fewer lower-credit standards are available to choose from in Elective B). The revision also took account of the changed titles and credits for reviewed Specialist Interiors standards 4346 and 6155.

Version 8 was issued following revision and subsequently withdrawn.

Version 7 was issued to correct errors in version 6. The main changes resulting from the correction were the addition of standard 13054 to the compulsory set, which resulted in the addition of 2 compulsory credits, and standard 13048 being moved from the compulsory list to Elective B as was originally intended. Changes from version 5 to make the qualification more flexible, provide more choice in the elective section, and reflect the results of standard review were also incorporated into version 7.

Version 6 was issued following a review of Carpentry standards, but was found to contain errors and was withdrawn.

Version 5 was issued to replace expiring standards with the corresponding theory and practical standards and include additional standards in both the compulsory and elective sections. The level of the qualification increased from 3 to 4 and was added to title.

Version 4 was issued to reflect the outcome of the review of first aid standard 532.

Version 3 was issued to remove the requirement for people to specialise in either commercial or residential construction.

Version 2 was issued following consultation with industry.

Version 1 was registered to replace the Trade Certificate in Carpentry.

Trade Certificate in Carpentry

The transition period for people transferring from the trade qualification to the National Certificate in Carpentry [Ref: 0016] expired on 30 June 1997. Copies of the original transition are available from the Building and Construction Industry Training Organisation (BCITO) Regional Offices in Auckland, Hamilton, Palmerston North, Wellington, Christchurch and Dunedin.

Other standard setting bodies whose standards are included in the qualification

NZQA

Certification

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

Classification

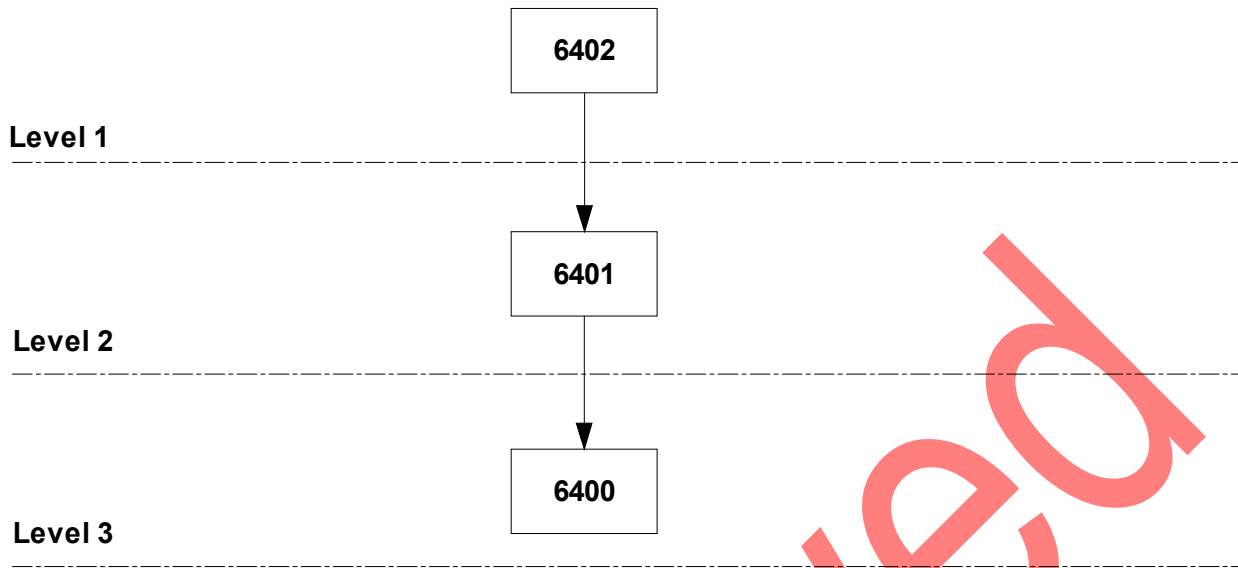
This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
51	Planning and Construction > Construction Trades > Carpentry	040311	Architecture and Building > Building > Carpentry and Joinery

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.

Prerequisite Diagram



Reviewed