

National Certificate in Frame and Truss Manufacture (Level 3)

Level 3

Credits 76

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2023.

Transition Arrangements

This qualification was republished in December 2021 to extend the last date for entry to programmes from 31 December 2021 to 30 June 2022. The last date for assessment has been extended from 31 December 2022 to 31 December 2023, when it will be discontinued.

This qualification has been replaced by the New Zealand Certificate in Timber Structure Manufacture (Level 3) with strands in Wall Frame Manufacture, and Roof Truss Manufacture.

People currently working towards this qualification must either complete the requirements by 31 December 2023 or transfer to a replacement New Zealand qualification.

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 |
|------------|--------------|
| 6400 | 26551, 26552 |
| 6401 | 26552 |
| 6402 | 26551 |

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.

NZQF National Qualification Registration Information

| Process | Version | Date | Last Date for Assessment |
|---------------|---------|------------------|--------------------------|
| Registration | 1 | 18 February 2011 | 31 December 2021 |
| Review | 2 | 26 March 2020 | 31 December 2021 |
| Republication | 2 | 26 November 2020 | 31 December 2021 |
| Republication | 2 | January 2020 | 31 December 2021 |

| Process | Version | Date | Last Date for Assessment |
|---------------|---------|------------------|--------------------------|
| Republication | 2 | 24 June 2021 | 31 December 2022 |
| Republication | 2 | 16 December 2021 | 31 December 2023 |

Standard Setting Body

Waihanga Ara Rau Workforce Development Council
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Reviewed

National Certificate in Frame and Truss Manufacture (Level 3)

Level 3

Credits 76

Purpose

The National Certificate in Frame and Truss Manufacture (Level 3) [Ref: 1619] is designed for people who want to work in the frame and truss manufacturing industry. It also provides a means of recognising current competence for those already working in the industry.

The qualification includes a Compulsory section which recognises the core skills and knowledge required by industry for frame and truss manufacturers. These skills and knowledge relate to first aid; knowledge of timber; reading and interpreting plans; performing calculations; use of tools and equipment; making up orders for materials; marking, setting out and assembling wall frames and roof trusses; and packaging and stacking prefabricated timber products.

Elective 1 provides a choice of standards covering health and safety and environmental practices, and Elective 2 covers cutting components for wall frames and roof trusses, allowing candidates to choose between manual or computer controlled methods depending on the requirements of their workplace.

The optional standards are for on-site health and safety practice or maintenance of wall frame assembly machinery.

This qualification stands alone as recognition of competence in frame and truss manufacturing, while sharing standards with the National Certificate in Carpentry (Level 4) [Ref: 0016], allowing movement between industries. It also provides the trade knowledge and skills for those wishing to move into supervisory roles within the industry.

Replacement Information

This qualification replaced the National Certificate in Frame and Truss Manufacturing (Level 3) with strands in Frame Manufacture, and Truss Manufacture [Ref: 1124].

Special Notes

- 1 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.

- 2 Recognition of current competence acknowledges the skills and knowledge gained from work and experience, or from courses or 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.

Credit Range

| | Compulsory | Elective 1 | Elective 2 | Optional |
|-----------------|------------|------------|------------|----------|
| Level 2 credits | 7 | - | - | - |
| Level 3 credits | 60 | 0-3 | 6-8 | 0-6 |
| Level 4 credits | - | 0-4 | - | - |
| Minimum totals | 67 | 3-4 | 6-8 | 0 |

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 1 – A minimum of 1 standard as specified
- Elective 2 – A minimum of 1 standard as specified

Detailed Requirements

Compulsory

The following standards are required

Health > Health Studies > First Aid

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 26551 | Provide first aid for life threatening conditions | 2 | 1 |
| 26552 | Demonstrate knowledge of common first aid conditions and how to respond to them | 2 | 1 |

Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 22607 | Read and interpret plans, working drawings and specifications for BCATS projects | 2 | 3 |

Planning and Construction > Construction Trades > Carpentry

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 21004 | Make up orders for materials used to manufacture prefabricated frames and trusses | 3 | 3 |
| 21006 | Use and maintain a power-assisted fastening tool for frame and truss manufacture | 3 | 3 |
| 21008 | Manually set out and mark timber framing plates for fabrication from shop drawings | 3 | 4 |
| 21011 | Assemble roof trusses in a controlled environment | 3 | 12 |
| 21015 | Assemble wall frames in a controlled environment | 3 | 8 |

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 |
| 21005 | Demonstrate knowledge of, and package and stack, prefabricated timber products | 2 | 2 |
| 24378 | Perform building calculations | 3 | 4 |
| 26885 | Demonstrate knowledge of setting out and assembling roof trusses in a controlled environment | 3 | 8 |
| 26886 | Demonstrate knowledge of setting out and assembling wall frames in a controlled environment | 3 | 5 |

Elective 1

A minimum of 1 standard

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 |

Elective 2

A minimum of 1 standard

Planning and Construction > Construction Trades > Carpentry

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 26883 | Demonstrate knowledge of and use computer-controlled wall frame and roof truss component cutting machinery | 3 | 6 |
| 26884 | Produce wall frame and roof truss components by interpreting drawings and lists and using manually operated saws | 3 | 8 |

Optional standards

The following standards are optional

Planning and Construction > Construction Trades > Carpentry

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 21007 | Use and maintain a wall frame assembly machine | 3 | 3 |

Planning and Construction > Construction Trades > Core Construction

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 12997 | Demonstrate knowledge of safe working practices on construction sites | 3 | 3 |

Transition Arrangements**Version 1**

The National Certificate in Frame and Truss Manufacture (Level 3) [Ref: 1619] was issued following review of the National Certificate in Frame and Truss Manufacturing (Level 3) with strands in Frame Manufacture, and Truss Manufacture [Ref: 1124], in order to reflect the current needs of industry. Major changes to structure necessitated the issue of a new qualification.

Differences between qualifications

- Standards 21008, 21015 and 21012 from the Frame Manufacture strand, and standard 21011 from the Truss Manufacture strand were incorporated into the Compulsory section of this qualification Ref: 1619.
- This qualification comprises of two Elective sections and an Optional section.
- The total credits in the replaced qualification Ref: 1124 were 55-59, and have increased to 76 in this qualification Ref: 1619.
- Standards 6400, 6401 and 6401 were replaced by standards 26551 and 26552 and included in the compulsory section of this qualification Ref: 1619.
- Standards 22607, 24378, 26885 and 26886 were included in the Compulsory section of this qualification Ref: 1619.
- Standards 26039 and 26040 were included in Elective 1 of this qualification Ref: 1619.
- Standards 26883 and 26884 were included in Elective 2 of this qualification Ref: 1619.

- Standards 12997 were included in the Optional section of this qualification Ref: 1619.
- Standards 13001, 13013, 13035, 21009, 20101 and 21012-21014 from qualification Ref: 1224, have been designated expiring and so were not included in this qualification Ref: 1619.

People currently working towards the National Certificate in Frame and Truss Manufacturing (Level 3) with strands in Frame Manufacture, and Truss Manufacture [Ref: 1124], may either complete the requirements for that qualification or transfer their results to the National Certificate in Frame and Truss Manufacture (Level 3) [Ref: 1619].

Final date for entry to training programmes for the National Certificate in Frame and Truss Manufacturing (Level 3) with strands in Frame Manufacture, and Truss Manufacture [Ref: 1124], is 30 June 2011.

Final date for assessment of the National Certificate in Frame and Truss Manufacturing (Level 3) with strands in Frame Manufacture, and Truss Manufacture [Ref: 1124], is 31 December 2012.

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 | 2016 |
|-------------|------|

Other standard setting bodies whose standards are included in the qualification

The Skills Organisation
NZQA

Certification

This 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 |
| 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 granted consent to assess 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