

## National Certificate in Timber Machining (Level 4)

**Level** 4

**Credits** 160

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2018.

### Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Timber Machining (Level 4) [Ref: 1974].

People currently working towards this expiring qualification may either complete the requirements for the qualification by 31 December 2018 or transfer their results to the replacement New Zealand qualification.

New enrolments into programmes leading to this expiring qualification will not be accepted after 31 December 2015.

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to Competenz at the address below. Appeals will be considered on a case by case basis.

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

### NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	January 2001	December 2011
Revision	2	July 2003	December 2011
Review	3	July 2007	December 2011
Revision	4	May 2009	December 2013
Revision	5	July 2011	December 2018
Review	6	April 2014	December 2018

### Standard Setting Body

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## National Certificate in Timber Machining (Level 4)

**Level** 4

**Credits** 160

### Purpose

This qualification recognises the skills and knowledge required by a Timber Machinist for the development and manufacture of profile tooling used in shaping timber components, the maintenance of timber machining equipment, troubleshooting of timber machining operations, and the analysis of costs associated with timber machining operations.

The qualification reflects the technical requirements of a Timber Machinist in the solid wood manufacturing industry. As these requirements have been clearly defined all the standards in the qualification are compulsory.

This qualification follows on from the Planer Operations strand of the National Certificate in Solid Wood Manufacturing (Level 3) with strands in Engineered Wood Product Operations; Planer Operations; Pole, Post and Pile Operations; Saw Doctoring Operations; Sawmilling Operations; Timber Drying Operations; Timber Grading; and Timber Treatment Operations [Ref: 1693], and leads on to the National Certificate in Solid Wood Manufacturing (Advanced Technical Plant Operations) (Level 5) [Ref: 1312].

### Replacement Information

This qualification and the National Certificate in Timber Machining (Size and Gauge) (Level 3) [Ref: 0812] replaced the National Certificate in Solid Wood Processing (Timber Machining) [Ref: 0360].

### Special Notes

It is recommended that candidates hold a current first aid certificate or are credited with the first aid standards – Unit 26551, *Provide first aid for life threatening conditions*; Unit 26552, *Demonstrate knowledge of common first aid conditions and how to respond to them*.

Before undertaking assessment against Unit 19719, *Identify, diagnose and rectify machined product defects*, candidates are required to complete Unit 15774, *Demonstrate knowledge of timber machining*, and Unit 675, *Set up a timber planer for dress four sides*, or demonstrate equivalent knowledge and skills.

## Credit Range

Level 2 credits	8
Level 3 credits	53
Level 4 credits	99
Total	160

## 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

## Detailed Requirements

### Compulsory

The following standards are required

#### Manufacturing > Solid Wood Manufacturing > Saw Doctoring

ID	Title	Level	Credit
669	Demonstrate knowledge of grinding for saw doctoring, timber machining and finger jointing	2	5

#### Manufacturing > Solid Wood Manufacturing > Timber Machining

ID	Title	Level	Credit
676	Set up timber planer for profile	4	30
682	Joint profile cutters	3	5
684	Grind and hone straight cutters	3	5
685	Grind and hone straight cutters in-head	3	3
688	Make profile cutter templates	3	15
690	Make straight cutters	2	3
8009	Explain and calculate costing of timber machining operations	4	4

ID	Title	Level	Credit
8010	Set cutterhead spindle positions using data from a calibrated measuring device	4	5
15775	Inspect and maintain a wood forming machine	3	15
17959	Apply calculations for operating and maintaining timber machining equipment	4	10
19719	Identify, diagnose and rectify machined product defects	4	25
23105	Develop profile, and grind and hone profile cutters in-head	4	25

Manufacturing > Wood Manufacturing - Generic Skills > Wood Manufacturing Foundation Skills

ID	Title	Level	Credit
17862	Demonstrate knowledge of mechanical engineering systems used in wood manufacturing industries	3	10

## Transition Arrangements

### Version 5

Version 5 was issued following revision.

Change to structure and content

- Credit total for the qualification was reduced from 180 to 160 credits as a result of the removal of standard 675 from the qualification.
- Title of standard 15775 was updated.

For detailed information see Review Summaries on the NZQA website.

People currently working towards version 4 of this qualification may either complete the requirements for that version by 31 December 2013 or transfer their results to version 5. The last date for entry to training programmes or courses for version 4 is December 2011.

People currently working towards versions 1, 2 or 3 of this qualification may either complete the requirements for these versions by 31 December 2011 or transfer their results to version 5.

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
687, 16242	23105

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition

arrangements should contact Competenz who will consider appeals on a case-by-case basis.

### Previous versions of the qualification

Version 4 was issued to update the level of standard 17862 from 2 to 3.

Version 3 was issued to take into account the significant changes recommended by the industry advisory panel following the development of a Planer Operations strand on the National Certificate in Solid Wood Manufacturing (Level 3) with strands [Ref: 1306]. This qualification was focussed on the technical aspects of timber machining operations.

Version 2 was issued in order to incorporate a new standard in Elective 1 and to take account of classification changes as a result of the review of Storekeeping and Warehousing standards.

Version 1 of this qualification and the National Certificate in Timber Machining (Size and Gauge) (Level 3) [Ref: 0812] replaced the National Certificate in Solid Wood Processing (Timber Machining) [Ref: 0360].

### Certification

This certificate will display the logos of the NZQA, the Competenz 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
2020	Manufacturing > Solid Wood Manufacturing > Timber Machining	030111	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Wood Machining and Turning

#### 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.