

National Certificate in Wood Product Manufacturing (Level 2)

Level 2

Credits 60

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

Purpose

The National Certificate in Wood Product Manufacturing (Level 2) [Ref: 0814] is the first in a series of national certificates designed for those who work or would like to work in the wood product manufacturing industry. All National Certificates in Wood Product Manufacturing share core competencies required of all jobholders within the industry.

This qualification recognises the entry level skills needed to work in the wood product manufacturing industry and those skills required for specialist occupations in the wood product manufacturing industry. The elective sections are designed to allow flexibility in the range of workplace skills and knowledge and this reflects the large diversity in the wood product manufacturing industry.

Credits gained in achieving this qualification can be used to meet the requirements of the National Certificate in Wood Product Manufacturing (Level 3) [Ref: 0815] and the National Certificate in Wood Product Manufacturing (Level 4) [Ref: 0816].

Trainees selecting retail and distribution electives for the qualification have a pathway to the National Certificate in Retail (Level 2) [Ref: 0993] or the National Certificate in Distribution (Level 2) [Ref: 0990].

Replacement Information

This qualification, the National Certificate in Pulp and Paper Manufacturing (Level 2) [Ref: 0237], the National Certificate in Wood Panels Manufacturing (Level 2) [Ref: 0433], and the National Certificate in Solid Wood Processing (Level 2) [Ref: 0807] have been replaced by the National Certificate in Wood Manufacturing Foundation Skills (Level 2) with strands in Pulp and Paper Manufacturing, Solid Wood Manufacturing, Sliced Veneer Operations, Technical Awareness, Wood Handling and Distribution, Wood Panel Manufacturing, and Wood Product Manufacturing [Ref: 1305].

Credit Range

	Compulsory	Elective 1	Elective 2	Elective 3
Level 1 credits	4	0-14	0-5	0-15
Level 2 or above credits	3	6-19	11-16	2-20
Minimum totals	7	19	16	18

Requirements for Award of Qualification

This qualification will be awarded to people who have met the following requirements.

- A minimum of 60 credits
 - Of which a minimum of 40 credits at Level 2 or above
- Compulsory standards
- Elective 1 – As specified
- Elective 2 – A minimum of 16 credits as specified
- Elective 3 – Balance if required

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.

Detailed Requirements

Compulsory

The following standards are required

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

Id	Title	Level	Credit
497	Protect health and safety in the workplace	1	1

Humanities > Communication Skills > Interpersonal Communications

Id	Title	Level	Credit
9677	Participate in groups and/or teams to gather ideas and information	2	3

Manufacturing > Wood Processing Technology > Wood Technology

Id	Title	Level	Credit
159	Demonstrate knowledge of environmental issues for the solid wood processing industry	1	3

Elective 1

Meet the requirements of all of the following sets

- List A
- List B

List A

A minimum of 1 standard

Manufacturing > Solid Wood Processing > Sawmilling

Id	Title	Level	Credit
164	Tally timber	2	2

Sciences > Mathematics > Measurement

Id	Title	Level	Credit
8492	Use standard units of measurement	1	3

List B

A minimum of 17 credits

Manufacturing > Wood Panels Manufacturing > Veneer Manufacturing

Id	Title	Level	Credit
729	Measure moisture content of veneers and plywood and LVL panels	2	2

Manufacturing > Wood Panels Manufacturing > Wood Panel Manufacturing Skills

Id	Title	Level	Credit
691	Demonstrate knowledge of the wood panels industry	1	5
692	Demonstrate knowledge of wood panel products	2	5
693	Demonstrate knowledge of basic wood structure for wood panels manufacturing	2	2
698	Saw wood panels to market sheet sizes	4	8
2443	Maintain personal safety in wood panels manufacturing plants	1	2

Manufacturing > Wood Processing Technology > Wood Product Manufacturing

Id	Title	Level	Credit
17964	Demonstrate knowledge of the wood product manufacturing industry	2	5

Manufacturing > Wood Processing Technology > Wood Technology

Id	Title	Level	Credit
162	Demonstrate knowledge of the principles of wood drying for the timber industry	2	5
736	Demonstrate knowledge of tree growth and physical characteristics of wood	1	4
9774	Demonstrate knowledge of timber grading	2	5
15774	Demonstrate knowledge of timber machining	2	3

Elective 2

A minimum of 16 credits

Manufacturing > Solid Wood Processing > Saw Doctoring

Id	Title	Level	Credit
669	Demonstrate knowledge of grinding wheels, stones, and fluids for saw doctoring and timber machining	2	5

Manufacturing > Solid Wood Processing > Sawmilling

Id	Title	Level	Credit
135	Operate a cross-cut saw	3	3
165	Handle, sort and stack timber	1	2

Manufacturing > Solid Wood Processing > Timber Machining

Id	Title	Level	Credit
161	Explain principles of timber machining	2	5
675	Set up a timber planer for dress four sides	3	7
678	Feed and tail out planer	3	7
690	Make straight cutters	2	3

Manufacturing > Wood Panels Manufacturing > Laminated Veneer Lumber and Plywood Manufacturing

Id	Title	Level	Credit
713	Grade dry veneers for LVL and plywood production	3	4
727	Grade LVL and plywood panels	3	6

Manufacturing > Wood Panels Manufacturing > Wood Panel Manufacturing Skills

Id	Title	Level	Credit
702	Stack and package wood panels	2	4

Manufacturing > Wood Processing Technology > Wood Technology

Id	Title	Level	Credit
155	Demonstrate knowledge of the characteristics of wood	2	5
156	Demonstrate knowledge of phytosanitary standards in the solid wood processing industry	1	3
160	Demonstrate knowledge of the principles of sawmilling	2	6
5847	Demonstrate knowledge of timber yard operations	2	5
17971	Demonstrate knowledge of the solid wood processing industry	2	5

Planning and Construction > Construction Trades > Core Construction

Id	Title	Level	Credit
2556	Demonstrate knowledge of and select timber	2	6

Field	Subfield	Domain
Manufacturing	Wood Panels Manufacturing	Hardboard and Insulating Board Manufacturing
	Wood Processing Technology	Wood Product Manufacturing

Elective 3

The balance of credits to achieve a minimum of 60 credits

- Of which a minimum of 40 credits at Level 2 or above may come from the following

Manufacturing > Pulp and Paper Manufacturing > Pulp and Paper Manufacturing Skills

Id	Title	Level	Credit
15825	Operate a wheeled loader in the pulp and paper industry	3	6

Manufacturing > Solid Wood Processing > Saw Doctoring

Id	Title	Level	Credit
669	Demonstrate knowledge of grinding wheels, stones, and fluids for saw doctoring and timber machining	2	5

Manufacturing > Solid Wood Processing > Sawmilling

Id	Title	Level	Credit
135	Operate a cross-cut saw	3	3
164	Tally timber	2	2
165	Handle, sort and stack timber	1	2

Manufacturing > Solid Wood Processing > Timber Machining

Id	Title	Level	Credit
161	Explain principles of timber machining	2	5
675	Set up a timber planer for dress four sides	3	7
678	Feed and tail out planer	3	7
690	Make straight cutters	2	3

Manufacturing > Wood Panels Manufacturing > Laminated Veneer Lumber and Plywood Manufacturing

Id	Title	Level	Credit
713	Grade dry veneers for LVL and plywood production	3	4
727	Grade LVL and plywood panels	3	6

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Id	Title	Level	Credit
729	Measure moisture content of veneers and plywood and LVL panels	2	2

Manufacturing > Wood Panels Manufacturing > Wood Panel Manufacturing Skills

Id	Title	Level	Credit
691	Demonstrate knowledge of the wood panels industry	1	5
692	Demonstrate knowledge of wood panel products	2	5
693	Demonstrate knowledge of basic wood structure for wood panels manufacturing	2	2
698	Saw wood panels to market sheet sizes	4	8
702	Stack and package wood panels	2	4
2443	Maintain personal safety in wood panels manufacturing plants	1	2

Manufacturing > Wood Processing Technology > Wood Product Manufacturing

Id	Title	Level	Credit
17964	Demonstrate knowledge of the wood product manufacturing industry	2	5

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15774	Demonstrate knowledge of timber machining	2	3
17971	Demonstrate knowledge of the solid wood processing industry	2	5

Planning and Construction > Construction Trades > Core Construction

Id	Title	Level	Credit
2556	Demonstrate knowledge of and select timber	2	6

Sciences > Mathematics > Measurement

Id	Title	Level	Credit
8492	Use standard units of measurement	1	3

Field	Subfield	Domain
Agriculture, Forestry and Fisheries	Forestry	Chainsaw Operating
Business	Business Administration	Any
Community and Social Services	Community and Workplace Fire and Emergency Management	Workplace Fire and Emergency Response
Computing and Information Technology	Computing	Generic Computing
Core Generic	Core Generic	Work and Study Skills

Field	Subfield	Domain
Engineering and Technology	Electrical Engineering	Core Electrical
		Electrical Installation and Maintenance
	Mechanical Engineering	Engineering Core Skills
		Engineering - Measurement
	Maintenance and Diagnostics in Mechanical Engineering	
Health	Health Studies	Core Health
	Occupational Health and Safety	Occupational Health and Safety Practice
		Workplace Health and Safety Management
Humanities	Communication Skills	Interpersonal Communications
		Reading
		Writing
	Languages	English for Speakers of Other Languages
Manufacturing	Manufacturing Skills	Manufacturing Processes
		Total Productive Manufacturing
	Pulp and Paper Manufacturing	Pulp and Paper Technology
	Wood Panels Manufacturing	Hardboard and Insulating Board Manufacturing
	Wood Processing Technology	Wood Product Manufacturing
Sciences	Mathematics	Any
Service Sector	Driving	Driver Licence Endorsements
	Lifting Equipment	Powered Industrial Lift Trucks
	Retail, Distribution, and Sales	Distribution
		Retail and Distribution Core Skills
		Sales Transactions
		Stock Control
Retail and Wholesale	Retail and Wholesale Frontline Sales	

Transition Arrangements

Version 4

Version 4 was issued to indicate that this qualification is expiring.

This qualification, the National Certificate in Pulp and Paper Manufacturing (Level 2) [Ref: 0237], the National Certificate in Wood Panels Manufacturing (Level 2) [Ref: 0433], and the National Certificate in Solid Wood Processing (Level 2) [Ref: 0807] have been replaced by the National Certificate in Wood Manufacturing Foundation Skills (Level 2) with strands in Pulp and Paper Manufacturing, Solid Wood Manufacturing, Sliced Veneer Operations, Technical Awareness, Wood Handling and Distribution, Wood Panel Manufacturing, and Wood Product Manufacturing [Ref: 1305].

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 exemption table below.

Credit for	Exempt from
15778	17964

Previous versions of the qualification

Version 3 was issued in order to incorporate electives for timber yard workers. The revision included the addition of the Retail, Distribution, and Sales, and Retail and Wholesale subfields in Elective 3.

Changes to structure and content

- The domains of Distribution; Retail and Distribution Core Skills; Sales Transactions; and Stock Control, in the subfield Retail, Distribution, and Sales; and the domain of Retail and Wholesale Frontline Sales in the subfield Retail and Wholesale were added to Elective 3
- Unit 2556, *Demonstrate knowledge of and select timber*, and Unit 17971, *Demonstrate knowledge of the solid wood processing industry*, were added to Elective 2.

Version 2 was issued to take account of changes to endorsement F driver licensing regulations and the expiry of standards 16770 and 16771. The revision also included the addition of the domains, Powered Industrial Lift Trucks, and Total Productive Manufacturing to elective 3.

People enrolled in programmes leading to the award of version 2 of this qualification could either complete that version or transfer to version 3.

In March 2000 standards in the Timber Remanufacturing domain (subfield Solid Wood Processing) were moved to the Wood Product Manufacturing domain (subfield Wood Processing Technology). People who have gained credit for standards in the Timber Remanufacturing domain may use these credits toward meeting the requirements of Elective 2.

NQT Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	January 2001	December 2003
Revision	2	November 2002	December 2004
Revision	3	October 2003	December 2011
Review	4	July 2007	December 2011

Standard Setting Body

Forest Industries Training and Education Council (FITEC)
PO Box 137067
PARNELL
Auckland

Telephone 09 356 7250
Email feedback@fitec.org.nz

Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation
NZQA

The involvement of other standard setting bodies depends on the electives undertaken.

Certification

The certificate will display the logos of NZQA and FITEC.

Classification

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

NQT Classification		NZSCED	
Code	Description	Code	Description
1717	Manufacturing > Wood Processing Technology > Wood Product Manufacturing	050502	Agriculture, Environmental and Related Studies > Forestry Studies > Solid Wood Processing

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.