

National Certificate in Pulp and Paper Manufacturing (Level 3)

Level	3
Credits	90

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

Purpose

The National Certificate in Pulp and Paper Manufacturing (Level 3) [Ref: 0238] is designed to recognise the knowledge and skills of competent operators in the pulp and paper industry.

Holders of this qualification will have shown competency in a significant number of industry based practical skills in their area of expertise. Generally, certificate holders will have knowledge of, and be able to operate and control, equipment to produce and/or further process pulp and/or paper for customer use.

The compulsory core sections of the National Certificates in Pulp and Paper Manufacturing levels 3 and 4 are common so that people wishing to progress from the level 3 qualification to the level 4 qualification have a common grounding in the principles of pulp and paper manufacturing. The elective sections of both qualifications also provide recognition for specific pulp and paper industry skills and a range of manufacturing and generic industry skills; and cover areas such as workplace safety, distribution, business administration, and communications.

Replacement Information

This qualification, and part of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] have been replaced by the National Certificate in Wood Fibre Manufacturing (Level 3) with strands in Composite Panel Preparation, Composite Panel Forming and Pressing, Composite Panel Finishing, Mechanical Pulping Operations, Pulp and Paper Dry End Operations, and Pulp and Paper Wet End Operations [Ref: 1309].

Credit Range

	Compulsory	Elective A	Elective B
Level 1 credits	-	0-8	-
Level 2 credits	17	0-15	-
Level 3 or above credits	11	0-15	20
Minimum totals	28	15	20

	Elective C	Elective D
Level 1 credits	0-5	0-12
Level 2 credits	0-5	0-12
Level 3 or above credits	10-15	0-12
Minimum totals	15	12

Requirements for Award of Qualification

The qualification will be awarded to people who have met the requirements of the compulsory and elective sections.

- Compulsory standards
- Elective – A minimum of 62 credits as specified

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

Manufacturing > Pulp and Paper Manufacturing > Pulp and Paper Technology

Id	Title	Level	Credit
5655	Demonstrate knowledge of pumps and valves used in the pulp and paper industry	3	5
17860	Demonstrate knowledge of concepts of matter and chemistry used in the pulp and paper industry	2	8
17861	Demonstrate knowledge of principles of heat and work as they are used in the pulp and paper industry	2	9
17869	Demonstrate knowledge of fundamentals of process control systems used in the pulp and paper industry	3	6

Elective

A minimum of 62 credits from the following sets

- Elective List A
- Elective List B
- Elective List C
- Elective List D

Elective List A

A minimum of 15 credits

Field	Subfield	Domain
Manufacturing	Pulp and Paper Manufacturing	Pulp and Paper Technology

Elective List B

A minimum of 20 credits at Level 3 or above

Field	Subfield	Domain
Manufacturing	Pulp and Paper Manufacturing	Paper Making
		Pulp and Paper - Chemical Plants
		Pulp and Paper Manufacturing Skills
		Pulp Making

Elective List C

A minimum of 15 credits

- Of which a minimum of 10 credits at Level 3 or above

Field	Subfield	Domain
Humanities	Communication Skills	Any

Elective List D

The balance of credits to achieve a minimum of 62 credits may come from the following

Field	Subfield	Domain
Agriculture, Forestry and Fisheries	Forestry	Any
Business	Accounting	Any
	Business Administration	Any
	Management	Any
	Marketing	Any
Community and Social Services	Community and Workplace Fire and Emergency Management	Workplace Fire and Emergency Response
	Fire and Rescue Services	Fire and Rescue Services - Generic Fire Fighting
Computing and Information Technology	Computing	Any
Core Generic	Core Generic	Any

Field	Subfield	Domain
Education	Adult Education and Training	Any
	Generic Education and Training	Assessment of Learning
Engineering and Technology	Electrical Engineering	Any
	Mechanical Engineering	Any
Health	Health Studies	Core Health
	Occupational Health and Safety	Any
Manufacturing	Energy and Chemical Plant	Any
	Manufacturing Skills	Total Productive Manufacturing
	Pulp and Paper Manufacturing	Any
	Solid Wood Processing	Any
	Supply Chain Management	Materials Management
	Wood Panels Manufacturing	Any
	Wood Processing Technology	Wood Technology
Sciences	Mathematics	Any
	Science	Any
Service Sector	Cranes	Any
	Driving	Driver Licence Endorsements
	Lifting Equipment	Powered Industrial Lift Trucks
	Retail, Distribution, and Sales	Distribution
Retail and Distribution Core Skills		
Stock Control		

Transition Arrangements

Version 5

Version 5 was issued to indicate that this qualification is expiring.

This qualification, and part of the National Certificate in Wood Panels Manufacturing (Level 4) [Ref: 0254] have been replaced by the National Certificate in Wood Fibre Manufacturing (Level 3) with strands in Composite Panel Preparation, Composite Panel Forming and Pressing, Composite Panel Finishing, Mechanical Pulping Operations, Pulp and Paper Dry End Operations, and Pulp and Paper Wet End Operations [Ref: 1309].

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
5649, 5651	17860
5650, 5652	17861
5653	17869

Standards in the Storekeeping and Warehousing subfield have been reclassified. Credit for standards classified under this subfield can be used to meet the credit requirements for Elective D in this qualification.

Previous versions of the qualification

Version 4 was issued following a revision 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 Total Productive Manufacturing domain in the elective, and took account of classification changes as a result of the review of Storekeeping and Warehousing standards. The domains of Powered Industrial Lift Trucks; Total Productive Manufacturing; Distribution; Retail and Distribution Core Skills; and Stock Control have been added to Elective D.

Version 3 was issued following a review; new domains were added to the elective; the qualification requirements were amended and updated to take account of the impact of reviewed Core Electrical, Fire and Rescue Services, and Pulp and Paper standards.

Version 2 was issued following a review. The structure of the qualification was amended, and the review also took account of the impact of reviewed Core Generic, Communication Skills, and Pulp and Paper standards.

Version 1 Non National Qualifications Framework transition

In June 1996, FITEC introduced National Certificates for the Pulp and Paper Sector of the industry based on standards at levels 1 to 5 on the National Qualifications Framework. These superseded the following Trade Certificates in Pulp and Papermaking:

Trade Certificate in Pulp and Papermaking Pulp Option Paper A;
 Trade Certificate in Pulp and Papermaking Paper and Paper Board Option Paper B;
 Trade Certificate in Pulp and Papermaking Wallboard Option C.

The transition arrangements for the first and second qualifying stages of the above trade certificates expired in 1998. For further information please contact FITEC at the address below.

NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	November 1996	December 1999
Review	2	April 1999	December 2003
Review	3	May 2001	December 2003
Revision	4	November 2002	December 2011
Review	5	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

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 NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
272	Manufacturing > Pulp and Paper Manufacturing	030304	Engineering and Related Technologies > Process and Resources Engineering > Wood Based Manufacturing

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.