

## National Certificate in Forestry (Mechanical Land Preparation)

**Level** 4

**Credits** 90

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2015.

### Transition Arrangements

This qualification is expiring without replacement.

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

### NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Award
Registration	1	December 2003	December 2015
Review	2	January 2015	December 2015

### Standard Setting Body

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## National Certificate in Forestry (Mechanical Land Preparation) (Level 4)

<b>Level</b>	<b>4</b>
<b>Credits</b>	<b>90</b>

### Purpose

This qualification recognises the skills of an experienced mechanical land preparation equipment operator in Forestry. The holder of the qualification is competent in the operational use of machines for the preparation of forest planting sites.

The qualification recognises an understanding of the factors that impact upon health and productivity in the forest work environment. It focuses on factors that affect the safe and efficient use of machines for land preparation, and the skills to operate a range of different equipment for land preparation activities over a variety of sites. The second elective section allows people to select skills, which will support a range of subject areas relevant to the preparation of land for planting, alternatively, people seeking progression to forestry management can select from management, computing and training skills.

The level 2 National Certificate in Forestry (Foundation Skills) [Ref: 0703] would provide a good background for the skills required for this qualification. People may also progress to this qualification through the National Certificate in Forestry (Establishment and Silviculture) (Level 3) [Ref: 0702], although people coming into the forestry industry with a driving and mechanical plant operating background will also have appropriate and prerequisite skills for this qualification.

This qualification may lead to the National Certificate in Forestry (Operations Management) [Ref: 0834] at level 5, or to the National Diploma in Forestry (Forest Management) (Level 6) [Ref: 0232].

### Special Notes

Unit standards within this qualification require the holding of the relevant class of driver licence.

It is recommended that people entering into a programme leading to this qualification have prior credit for Unit 1232, *Demonstrate knowledge of forest planting site preparation*.

People may be granted recognition of prior learning (RPL) on application to the provider. Candidates must go through an assessment process carried out by registered assessors in accordance with NZQA guidelines.

## Credit Range

	Compulsory	Elective 1	Elective 2
Level 2 credits	13	–	–
Level 3 credits	8	–	–
Level 4 credits	14	30–55	–
Minimum totals	35	30–55	0–25

## Requirements for Award of Qualification

This qualification will be awarded to people credited with a minimum of 90 credits and who have met the requirements of the compulsory and elective sections.

### 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.

## Detailed Qualification Requirements

### Compulsory

All the standards listed below are required.

Field Agriculture, Forestry and Fisheries  
 Subfield Forestry  
 Domain Forest Mensuration

Id	Title	Level	Credit
1221	Demonstrate knowledge of job prescriptions for forest operations	3	3
1224	Use prescription maps for forest operations	4	4

Domain Forestry Knowledge

Id	Title	Level	Credit
13108	Describe effects of hydration and nutrition on safety, health and performance of forestry workers	2	4
13109	Demonstrate knowledge of factors which impair the performance of forestry workers	2	4
17769	Demonstrate knowledge of the general requirements for employment in a plantation forest	2	5

Domain Forestry Operations

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
6966	Apply environmental management to mechanised land preparation operations	4	10
17772	Demonstrate knowledge of environmental requirements in forest operations	3	5

**Elective 1**

A minimum of 30 credits is required from the following standards.

Field Agriculture, Forestry and Fisheries

Subfield Forestry

Domain Forest Establishment

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
19955	Prepare land for forest establishment using gravity roller crushing	4	15
19956	Prepare land for forest establishment using a V-blade	4	10
19957	Prepare land for forest establishment using towed roller and blade crushing	4	10
19958	Prepare land for forest establishment using spot cultivation techniques	4	10
19959	Prepare land for forest establishment using root and line rakes	4	10
19960	Prepare land for forest establishment using cultivation methods	4	10
19961	Prepare land for forest establishment by mulching	4	10
19962	Prepare steep terrain for forest establishment using excavator windrowing	4	15

**Elective 2**

The balance of credits, if required to achieve a minimum total of 90 credits, may be drawn from the following subfields and/or domains.

<b>Field</b>	<b>Subfield</b>	<b>Domain</b>
Agriculture, Forestry and Fisheries	Agriculture	Agricultural Vehicles and Machinery
	Forestry	Any domain Credits at level 4 or above
Business	Management	Any domain Credits at level 3 or above
Community and Social Services	Fire and Rescue Services	Fire and Rescue Services – Generic Fire Fighting
		Fire and Rescue Services – Vegetation
Computing and Information Technology	Computing	Generic Computing

Field	Subfield	Domain
Education	Adult Education and Training	Delivery of Adult Education and Training
	Generic Education and Training	Assessment of Learning
Health	Health Studies	Core Health
	Occupational Health and Safety	Occupational Health and Safety Management
Humanities	Communication Skills	Any domain Credits at level 3 or above
Service Sector	Commercial Road Transport	Commercial Road Transport Skills
		Goods Service

### Other standard setting bodies whose standards are included in the qualification

Fire and Rescue Services Industry Training Organisation  
 NZQA  
 Road Transport Industry Training Organisation

### Certification

The certificate will display the logos of the Qualifications Authority and Forest Industries Training.

### 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
96	Agriculture, Forestry and Fisheries/Forestry	050501	Agriculture, Environmental and Related Studies/Forestry Studies/Forestry Studies

### 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.