

## National Certificate in Composting (Level 3)

**Level** 3

**Credits** 120

### Purpose

The National Certificate in Composting (Level 3) [Ref: 1316] recognises the skills and knowledge of an operator at a composting facility. Holders of this certificate will demonstrate knowledge and technical skills related to compost production in the context of resource recovery.

The compulsory section recognises skills in:

- Hazard identification and risk assessment, and health and safety practices
- Conducting sampling
- Dispatching materials and compost products
- Operating a front end loader and carrying out basic maintenance.

Holders of this certificate will be able to demonstrate knowledge of the:

- Content of an environmental management plan for a resource recovery site
- Principles of environmental sustainability to resource recovery, hygiene, and health related to resource recovery and solid waste
- Principles of organic resource recovery and recycling.

The elective sections provide scope for selecting standards related to the specific requirements of the individual candidate and the compost facility by recognising a range of industry based and generic skills.

This qualification is part of a pathway that comprises the National Certificate in Composting (Core Skills) (Level 2) [Ref: 1315], the National Certificate in Composting (Level 3) [Ref: 1316], and the National Diploma in Composting (Level 5) [Ref: 1317].

### Credit Range

	Compulsory	Elective 1	Elective 2
Level 2 credits	-	0-13	0-5
Level 3 credits	55	47-60	0-5
Level 4 or above credits	-	-	0-5
Minimum totals	55	60	5

### Requirements for Award of Qualification

- Compulsory standards
- Elective 1 – A minimum of 60 credits as specified
- Elective 2 – A minimum of 5 credits as specified

**Award of NQT 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

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
17602	Apply hazard identification and risk assessment procedures in the workplace	3	4

Service Sector > Resource Recovery > Composting

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
23298	Identify, describe, and observe health and safety practices at a composting facility	3	4
23300	Prepare for and conduct sampling for on-site testing and commercial laboratory analysis for a composting facility	3	3
23302	Dispatch compost products and complete documentation at a composting facility	3	6
23323	Operate and carry out basic maintenance on a front end loader at a composting facility	3	15

Service Sector > Resource Recovery > Resource Recovery Theory

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
22634	Explain principles of organic resource recovery and recycling	3	5
22635	Explain the content of an environmental management plan for a resource recovery site	3	4
22636	Relate the principles of environmental sustainability to resource recovery	3	6
22637	Demonstrate knowledge of hygiene and health for working in a resource recovery or solid waste context	3	8

**Elective 1**

A minimum of 60 credits

## Service Sector &gt; Driving &gt; Driver Licence Endorsements

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
16701	Demonstrate knowledge and skills for driving on a road for endorsement W (wheels)	3	3
16702	Demonstrate knowledge and skills for driving on a road for endorsement R (rollers)	3	3
16703	Demonstrate knowledge and skills for driving on a road for endorsement T (tracks)	3	3
18496	Demonstrate knowledge and skills for driving a forklift on a road for endorsement F (forklifts)	3	2

## Service Sector &gt; Resource Recovery &gt; Composting

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
23291	Describe composting worms and the environment required for vermicomposting for resource recovery	2	3
23292	Describe and evaluate homemade and commercial vermicomposting units for domestic composting	2	5
23293	Describe the processes of sourcing, preparing, and adding feedstock for vermicomposting for resource recovery	2	1
23294	Establish vermicomposting units for resource recovery activity and maintain the environment and microbiology	3	5
23295	Explain and conduct the separation of vermicompost from worms, and package worms for transportation	3	4
23296	Explain the issues related to vermicomposting and their effects on the worms and the vermicomposting unit	3	2
23301	Set up and operate water delivery systems at a composting facility	3	3
23305	Operate, and carry out basic maintenance, on an organic shredder at a composting facility	3	15
23306	Operate a screening plant and carry out basic maintenance at a composting facility	3	15
23307	Describe and operate an in-vessel composting plant at a composting facility	3	15
23308	Prepare, maintain, and monitor composting windrows at a composting facility	3	10
23309	Operate compost turning equipment at a composting facility	3	15
23310	Prepare for bagging, operate, and shut down compost bagging plant at a composting facility	3	15
23314	Prepare value-added products at a composting facility	3	10
23317	Amend and prepare biosolids and sludges for treatment and use in composting	3	6

## Service Sector &gt; Resource Recovery &gt; Resource Recovery Theory

Id	Title	Level	Credit
22638	Demonstrate knowledge of the New Zealand resource recovery industry	3	6

## Service Sector &gt; Retail, Distribution, and Sales &gt; Retail and Distribution Core Skills

Id	Title	Level	Credit
12003	Demonstrate knowledge of buying and selling in a retail or distribution environment	2	4

**Elective 2**

A minimum of 5 credits from anywhere on the NQF

**NQF Registration Information**

Process	Version	Date	Last Date for Assessment
Registration	1	September 2007	N/A

**Standard Setting Body**

NZ Extractive Industries Training Organisation  
PO Box 2623  
CHRISTCHURCH

Telephone 03 964 4710  
Email [info@exito.org.nz](mailto:info@exito.org.nz)

**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	2011
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**Other standard setting bodies whose standards are included in the qualification**

New Zealand Industry Training Organisation  
Retail ITO  
Tranzqual ITO

**Certification**

The certificate will display the logos of NZQA and NZ Extractive Industries Training Organisation.

## 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
2047	Service Sector > Resource Recovery > Composting	039901	Engineering and Related Technologies > Other Engineering and Related Technologies > Environmental Engineering

### 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.