

National Certificate in Crane Operation with strands in Mobile Crane, Overhead Crane, Tower Crane, and Crawler Crane

Level 3 or 4

Credits 65-84

This qualification is **expiring**. The last date to meet the requirements is 31 December 2013.

Purpose

This National Certificate is designed to provide recognition of the knowledge and skills required to operate a crawler, mobile, overhead, or tower crane efficiently and safely in a dynamic working environment.

As safety is of critical importance in the crane industry, the compulsory section of this qualification covers protecting personal health and safety in the workplace; communicating information during crane operations; and knowledge of crane regulatory requirements, and the skills required in the crane industry.

The strands are designed to recognise the specific skills required to operate crawler, mobile, pendant controlled or cab controlled overhead, and tower cranes, including being able to determine the nature of each lift, stabilise loads, and place loads to requirements, in a manner that ensures the safety of people and property. The Mobile Crane and Crawler Crane strands recognise the skills and knowledge required to arrange delivery of the crane to and from site. The Overhead Crane and Tower Crane strands recognise the skills and knowledge required to carry out periodic maintenance of crane equipment to a safe operational standard.

On completion of this qualification people can progress to the National Certificate in Cranes (Tower Crane Supervision) [Ref: 0120].

Completion of this qualification is a requirement for award of the National Certificate in Cranes (Advanced Crane Operation) [Ref: 1520], which is designed for people who work in diverse and complex crane operations in the crane industry. This qualification with the Mobile Crane strand is a requirement for entry to the National Certificate in Cranes (Mobile Crane Supervision) [Ref: 0118].

Replacement Information

This qualification has been replaced by the New Zealand Certificate in Crane Operation (Level 3) with strands in Cab Controlled Overhead Crane, Mini Crawler Crane, Mobile Crane, Non Slewing Articulated Crane, Remote Controlled Overhead Crane, Self-Erecting Tower Crane, Tower Crane, Track Crawler Crane, and Truck Loader Crane [Ref: 1790].

Special Notes

Crane operators will require the appropriate road traffic licence when driving cranes on public roads.

Credit Range

	Compulsory
Level 1 credits	3
Level 2 credits	7
Level 3 credits	30
Minimum total	40

	Mobile Crane Strand	Overhead Crane Strand		Tower Crane Strand	Crawler Crane Strand
		Compulsory	Elective		
Level 2 credits	-	-	0-10	-	-
Level 3 credits	-	15	0-12	30	-
Level 4 credits	44	-		-	37
Qualification totals	84	65-67		70	77
Level with strand	4	3		3	4

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

One of the following strands is required

- Mobile Crane Strand
- Overhead Crane Strand
- Tower Crane Strand
- Crawler Crane Strand

Detailed Requirements

Compulsory

The following standards are required

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

ID	Title	Level	Credit
497	Demonstrate knowledge of workplace health and safety requirements	1	3

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1277	Communicate information in a specified workplace	2	3

Service Sector > Cranes > Crane Operation

ID	Title	Level	Credit
3787	Demonstrate knowledge of regulatory requirements pertaining to cranes	2	4
3788	Demonstrate knowledge of skills required in the crane industry	3	8
3789	Sling regular loads and communicate during crane operations	3	22

Mobile Crane Strand

The following standards are required

Service Sector > Cranes > Crane Operation

ID	Title	Level	Credit
3792	Arrange delivery and move mobile crane and equipment to and from site	4	22
3795	Configure mobile crane and lift and place loads	4	22

Overhead Crane Strand

Meet the requirements of all of the following sets

- Overhead Crane Strand Compulsory
- Overhead Crane Strand Elective

Overhead Crane Strand Compulsory

The following standard is required

Service Sector > Cranes > Crane Maintenance and Servicing

ID	Title	Level	Credit
3802	Carry out periodic maintenance checks and servicing for overhead cranes	3	15

Overhead Crane Strand Elective

A minimum of 1 standard

Service Sector > Cranes > Crane Operation

ID	Title	Level	Credit
3790	Operate a cab controlled overhead crane and lift and place loads	3	12
3800	Operate a pendant controlled overhead crane and lift and place regular loads	2	10

Tower Crane Strand

The following standards are required

Service Sector > Cranes > Crane Maintenance and Servicing

ID	Title	Level	Credit
3803	Carry out periodic maintenance checks and servicing for tower cranes	3	15

Service Sector > Cranes > Crane Operation

ID	Title	Level	Credit
3794	Lift and place loads with tower crane	3	15

Crawler Crane Strand

The following standards are required

Service Sector > Cranes > Crane Operation

ID	Title	Level	Credit
20525	Arrange delivery of a track crawler crane to and from site	4	15
20526	Configure a track crawler crane, and lift and place loads	4	22

Transition Arrangements**Version 6**

Version 6 was issued to indicate that this qualification is expiring.

This qualification has been replaced by the New Zealand Certificate in Crane Operation (Level 3) with strands in Cab Controlled Overhead Crane, Mini Crawler Crane, Mobile Crane, Non Slewing Articulated Crane, Remote Controlled Overhead Crane, Self-Erecting Tower Crane, Tower Crane, Track Crawler Crane, and Truck Loader Crane [Ref: 1790].

For detailed information see Review Summaries on the NZQA website.

People currently working towards the replaced qualification may either complete the requirements or transfer their results to the replacement qualification.

It is not intended that anyone be disadvantaged by this review. However, anyone who feels they have been disadvantaged may appeal to Opportunity – The Training Organisation at the address below.

Previous versions of the qualification

Version 5 was issued following a revision and changes to structure and content included: the Overhead Crane strand now consists of a Compulsory and an Elective section; standard 3790 from the Compulsory section was moved, and standard 3800 was added, to the new Elective section; standards 6400, 6401, and 6402 were removed from the Compulsory section; and the credit total for the qualification was updated from 71-88 to 67-86.

Version 4 was issued following review to update content and change structure. A new strand for crawler cranes was added; the title was amended to include the new strand and to include the word 'Crane' in the strands; and total qualification credits were increased from 69-86 to 71-88.

Version 3 was issued to update standards as a result of the *Cranes* standard review.

Version 2 was issued to remove a generic elective option and to update reviewed standards.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	November 1995	December 2010
Review	2	June 1997	December 2010
Review	3	September 2000	December 2012
Review	4	December 2009	December 2012
Revision	5	March 2011	December 2013
Review	6	September 2012	December 2013

Standard Setting Body

The Skills Organisation
 Freepost 5164
 PO Box 24469
 Royal Oak
 Auckland 1345

Telephone 09 525 2590
 Email reviewcomments@skills.org.nz
 Website www.skills.org.nz

Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation
NZQA

Certification

This certificate will display the logos of NZQA, The Skills Organisation 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
798	Service Sector > Cranes > Crane Operation	030717	Engineering and Related Technologies > Mechanical and Industrial Engineering and Technology > Plant and Machine Operations

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.

Prerequisite Diagram

