



Programme Overview

**New Zealand Certificate in Cranes (Level 3)
with strands (Ref: 3730)**

Version 1 | Credits 52-57

Indicative duration: 5 - 9 months

Total learning hours: 520 to 570

Entry requirements

To be eligible for entry, trainees must be in employment and engaging with work related to the scope of the programme. The employer and trainee, in conjunction with The Skills Organisation, must complete a training agreement.

Education pathway

This qualification is the entry point into the training pathway for the cranes industry and the broader lifting engineering sector. Graduates of the Dogman strand may progress onto the New Zealand Certificate in Cranes (Level 4) with strands in Advanced Dogman, Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, Tower Crane [Ref: 3731]. Graduates of other strands may progress to qualifications in other areas, such as business or manufacturing.

Outcome statements for the qualification

Graduates of this qualification will be able to:

- Work safely in a variety of crane related workplaces, complete a job safety analysis, identify hazards in the workplace and put controls in place or escalate for further attention.
- Identify and use load weights to sling regular loads using the appropriate lifting equipment.
- Apply knowledge of the Cranes safety theory to carry out pre-start and post checks of cranes or lifting equipment.

Graduates of the **Cab-controlled Overhead Crane Strand** will be able to:

- Access and exit a cab-controlled overhead crane and lift and place regular loads within the working load limit.

| Unit no: | Description |
|----------|---|
| 30072 | Demonstrate and apply knowledge of slinging regular loads safely |
| 30265 | Apply health and safety risk assessment to a job role |
| 19522 | Undertake job safety analysis |
| 30266 | Demonstrate knowledge of workplace health and safety culture and practices |
| 3788 | Demonstrate knowledge of crane types, and safe practices required in the crane industry |
| 30264 | Describe duties, rights, representation and the regulator in terms of New Zealand health and safety legislation |
| 25043 | Lockout and reinstate machinery in the workplace |
| 3800 | Use a radio remote or pendant controlled gantry crane to lift and place regular loads |
| 3790 | Use a cab- controlled gantry crane to lift and place regular loads |
| | 54 credits |

Graduates of the **Dogman Strand** will be able to:

- Apply knowledge of risk management, slinging calculations, and industry recognised communication methods to direct and guide crane movements in relation to loads and equipment.

| Unit no: | Description |
|----------|---|
| 30072 | Demonstrate and apply knowledge of slinging regular loads safely |
| 30265 | Apply health and safety risk assessment to a job role |
| 19522 | Undertake job safety analysis |
| 30266 | Demonstrate knowledge of workplace health and safety culture and practices |
| 3788 | Demonstrate knowledge of crane types, and safe practices required in the crane industry |
| 30264 | Describe duties, rights, representation and the regulator in terms of New Zealand health and safety legislation |
| 25043 | Lockout and reinstate machinery in the workplace |
| 3789 | Sling varied regular loads and safely direct a crane during crane operations |
| | 57 credits |

Graduates of the **Pendant-controlled Overhead Crane** Strand will be able to:

- ✔ Lift and place regular loads within a workplace using a pendant or remote-controlled overhead crane within the working load limit.

| Unit no: | Description |
|----------|---|
| 30072 | Demonstrate and apply knowledge of slinging regular loads safely |
| 30265 | Apply health and safety risk assessment to a job role |
| 19522 | Undertake job safety analysis |
| 30266 | Demonstrate knowledge of workplace health and safety culture and practices |
| 3788 | Demonstrate knowledge of crane types, and safe practices required in the crane industry |
| 30264 | Describe duties, rights, representation and the regulator in terms of New Zealand health and safety legislation |
| 25043 | Lockout and reinstate machinery in the workplace |
| 3800 | Use a radio remote or pendant controlled gantry crane to lift and place regular loads |
| | 52 credits |

Graduates of the **Self-erecting Tower Crane** Strand will be able to:

- ✔ Engage and operate a self-erecting tower crane including lifting and placing regular loads in accordance with rating charts.

| Unit no: | Description |
|----------|---|
| 30072 | Demonstrate and apply knowledge of slinging regular loads safely |
| 30265 | Apply health and safety risk assessment to a job role |
| 19522 | Undertake job safety analysis |
| 30266 | Demonstrate knowledge of workplace health and safety culture and practices |
| 3788 | Demonstrate knowledge of crane types, and safe practices required in the crane industry |
| 30264 | Describe duties, rights, representation and the regulator in terms of New Zealand health and safety legislation |
| 25043 | Lockout and reinstate machinery in the workplace |
| 20208 | Use a self-erecting tower crane to lift and place regular loads |
| | 52 credits |

Graduates of the **Truck Loader Crane** Strand will be able to:

- ✔ Operate within safe tolerances and regulatory requirements including lifting and placing regular loads in accordance with rating charts.

| Unit no: | Description |
|----------|---|
| 30072 | Demonstrate and apply knowledge of slinging regular loads safely |
| 30265 | Apply health and safety risk assessment to a job role |
| 19522 | Undertake job safety analysis |
| 30266 | Demonstrate knowledge of workplace health and safety culture and practices |
| 3788 | Demonstrate knowledge of crane types, and safe practices required in the crane industry |
| 30264 | Describe duties, rights, representation and the regulator in terms of New Zealand health and safety legislation |
| 25043 | Lockout and reinstate machinery in the workplace |
| 16617 | Use a truck loader crane to lift and place regular loads |
| | 57 credits |

Important Notes

- ✔ Those workers in eligible employment who wish to undertake the qualification need to enrol with Skills.
- ✔ A Skills Account Manager or approved representative will sign in trainees into the qualification using a Skills Training Agreement and Programme schedule.
- ✔ Skills signs up new trainees into the qualification. To do this assessors or employers need to contact a Skills Account Manager.
- ✔ Trainees (or their employers) pay \$400 (incl. GST) directly to Skills. Payment details are taken at sign up.
- ✔ Trainees choose a strand, or specialised subject, when signing up for the qualification.
- ✔ The available strands are:
 - Cab controlled overhead crane
 - Dogman
 - Pendant controlled overhead crane
 - Self-erecting tower crane
 - Truck loader crane

- Within four weeks of signing up the trainee will receive learning and assessment materials. These will be sent to the trainee at the employer's address. This includes the Cranes Safety Manual, Be a good Crane operator one day at a time, On the job assessments folder and the Logbook.
- The employer engages a Skills approved workplace or contract assessor with the relevant scope to assist with assessments needs.
- Trainees (or their employers) pay the Assessor directly for any assessment and related costs.
- All trainees need to complete the pre-requisite unit standard 30072 for 3800, 3789, 20208 and 16617 and prerequisite 3800 for 3790.
- The Assessor completes assessments, then completes the credit reporting sheet, submits to Skills at credits@skills.org.nz and Skills reports the credits to NZQA.
- All the assessment resources are developed by Skills and are available on Skills Bank.
- Skills awards the qualification and issues the trainee certificate.
- There is no Recognition of Current Competence option for this qualification yet.

- **Additional Strands** - Once the first qualification is completed, trainees may register into an additional strand on that qualification.
- A Skills Account Manager or approved representative will sign in trainees into the additional strand using a Skills Training Agreement and Programme schedule.
- Contact a Skills Account Manager to sign the trainee up.
- Trainees (or their employers) pay \$200 (incl GST) directly to Skills. Payment details are taken at sign up.
- Within four weeks of signing up the trainee will receive the assessment materials. These will be sent to the trainee at the employer's address. This includes; On the job assessments for the strand.
- The employer engages a Skills approved workplace or contract assessor with the relevant scope to assist with assessments needs.
- Trainees (or their employers) pay the Assessor directly for any assessment and related costs.
- The Assessor completes assessments, completes the credit reporting sheet, submits to Skills at credits@skills.org.nz and Skills reports the credits to NZQA..
- All the assessment resources are developed by Skills and are available on Skills Bank.
- Skills awards the qualification and issues the trainee certificate.