

Programme Overview

**New Zealand Certificate in Cranes (Level 4)
with strands (Ref: 3731)**

Version 1 | Credits 50-60

Indicative duration: 5 - 9 months

Total learning hours: 500 to 600



Entry requirements

Candidates are expected to be employed in the cranes industry. The New Zealand Certificate in Cranes (Level 3) with strand in Dogman [Ref: 3730] is a prerequisite for this qualification, or equivalent knowledge and skills. Where prospective learners hold equivalent knowledge and skills and hold unit standard 3789, they may apply to the programme provider for direct entry.

Education pathway

This qualification builds on the New Zealand Certificate in Cranes (Level 3) with strands in Cab-Controlled Overhead Crane, Dogman, Load-Lifting Rigging Production, Pendant-Controlled Overhead Crane, Self-Erecting Tower Crane, Truck Loader Crane [Ref: 3730]. Graduates of the Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, and Tower Crane strands may progress onto the New Zealand Certificate in Cranes (Advanced Crane Operation) (Level 5) [Ref: 3732]. Alternatively, graduates of all strands may progress to Leadership and Management qualifications in the Business arena.

Outcome statements for the qualification

Graduates of **this qualification** will be able to:

- Take responsibility for sole charge jobs, and interpret and utilise documentation to support organisational compliance, and health and safety objectives.
- Plan and document lifts of regular and irregular loads, using knowledge of cranes and equipment, hazards, and risk mitigation practices in the cranes industry.

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

- Calculate weights, centres of gravity, lifting points and equalizing methods, and use results to sling irregular loads using the appropriate lifting equipment.
- Apply knowledge of slinging methods to plan complex lifts.

Unit no:	Description	
31903	Lead a team during crane operations.	10 credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5 credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20 credits
3801	Prepare and sling complex loads for crane operations	25 credits
		60 credits

Graduates of the **Crawler Crane** Strand will be able to:

- Prepare for moving or tracking, configure, and position a crawler crane to operate within safe tolerances, stability requirements, and permits.
- Operate a crawler crane including lifting and placing regular and irregular loads, stationary and tracking within crane limits and in accordance with rating charts.

Unit no:	Description	
31903	Lead a team during crane operations.	10 credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5 credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20 credits
27676	Configure a lattice boom track crawler crane, and lift and place regular and irregular loads	25 credits
		60 credits

Graduates of the **Mini Crane** Strand will be able to:

- Prepare for transport and position a mini crane to operate within safe tolerances and stability requirements.
- Operate a mini crane with a hydraulic boom including lifting and placing regular and irregular loads, stationary and tracking within crane limits and in accordance with rating charts.

Unit no:	Description	
31903	Lead a team during crane operations.	10 credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5 credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20 credits
26505	Use a mini-crawler crane with outriggers to lift and place regular loads	20 credits
		55 credits

Graduates of the **Mobile Crane Strand will be able to:**

- Mobilise and demobilise, configure, and position a mobile crane on or off outriggers to operate within safe tolerances and permits.
- Operate a mobile crane including lifting and placing regular and irregular loads in accordance with rating charts.

Unit no:	Description	
31903	Lead a team during crane operations.	10credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20credits
3795	Configure and position a mobile crane, and lift and place regular and irregular loads	25credits
		60 credits

Graduates of the **Non-slewing Articulated Crane Strand will be able to:**

- Prepare for travel, configure, and position a non-slewing crane to operate within safe tolerances and travel plan.
- Operate a non-slewing articulated crane including picking and carrying regular and irregular loads in accordance with rating charts.

Unit no:	Description	
31903	Lead a team during crane operations.	10 credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5 credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20 credits
24511	Configure a non-slewing articulated crane, and lift and place regular and irregular loads	15 credits
		50 credits

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

- Access and egress a tower crane cab and place a tower crane into and out-of-service within risk mitigation strategies for the workplace and operating environment.
- Operate a tower crane including lifting and placing regular and irregular loads in accordance with rating charts, communicating with a dogman at a distance.

Unit no:	Description	
31903	Lead a team during crane operations.	10 credits
31902	Demonstrate knowledge of health and safety management requirements for workers on site	5 credits
31904	Plan and document lifts of regular and irregular loads using multiple Cranes.	20 credits
3794	Lift and place regular and irregular loads using a tower crane	15 credits
		50 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.
- Contact a Skills Account Manager to sign up the trainee.
- 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:
 - Advanced Dogman
 - Crawler crane
 - Mini Crawler crane
 - Mobile crane
 - Non - slewing Articulated crane
 - Tower 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; 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/qualification.
- 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.
- 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 assessment for the strand.
- The employer engages a Skills approved workplace or a 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.