

Qualification details

Qualification number/Te nama o te tohu mātauranga	3731		
English title/Taitara Ingarihi	New Zealand Certificate in Cranes (Level 4) with strands in Advanced Dogman, Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, and Tower Crane		
Māori title/Taitara Māori			
Version number/Te putanga	3	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	4	Credits/Ngā whiwhinga	60 – 70
NZSCED/Whakaraupapa	030717 Engineering and Related Technologies>Mechanical and Industrial Engineering and Technology>Plant and Machine Operations		
Qualification developer/Te kaihanganga tohu	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council		
Review Date /Te rā arotake	31 December 2029		

Outcome statement/Te tauāki ā-hua

Strategic Purpose statement/ Te rautaki o te tohu
<p>The purpose of this qualification is to provide the crane industry with individuals who may be employed as crane operators or dogmen for a range of crane tasks in dynamic and variable workplaces.</p> <p>The qualification strands recognise the differing requirements of specialist crane operations.</p> <p>The crane industry, and the building and construction industry, in particular, will benefit from having people who are qualified in crane operation or load guidance for a range of crane types.</p> <p>Graduates will be capable of working in a self-managed capacity and may be supervising others.</p>

Graduate Profile/Ngā hua o te tohu
<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - Take the lead for lifting operations, including the establishment of an exclusion zone. - Plan lifts for regular and irregular loads which could also include complex lifts. <p>Graduates of the Advanced Dogman strand will also be able to:</p> <ul style="list-style-type: none"> - Complete calculations and use the results to sling irregular loads using appropriate lifting equipment.

Graduates of the **Crawler Crane strand** will also be able to:

- Configure a crawler crane to lift and place regular and irregular loads, and complete post-lift requirements to ensure the crane is safe.
- Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.

Graduates of the **Mini-crawler Crane strand** will also be able to:

- Prepare a mini-crawler crane for lifting.
- Sling, lift and place regular and irregular loads, and travel the crane.

Graduates of the **Mobile Crane strand** will also be able to:

- Prepare a mobile crane for lifting.
- Lift and place regular and irregular loads. Complete post-lift requirements to ensure the crane is safe.
- Prepare the crane for travel.
- Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.

Graduates of the **Non-Slewing Articulated Crane strand** will also be able to:

- Configure a non-slewing articulated crane for lifting.
- Lift, travel, and place regular and irregular loads. Prepare the crane for travel.
- Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.

Graduates of the **Tower Crane strand** will also be able to:

- Prepare a tower crane for lifting.
- Lift and place regular and irregular loads, and complete post-lift requirements to ensure the crane is safe.
- Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.

Education Pathway/ Ngā huarahi mātauranga

This qualification builds on the New Zealand Certificate in Cranes (Level 3) with strands in Dogman, Pendant or remote controlled Overhead / Gantry 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.

Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki

Graduates of this qualification will have the skills and knowledge to work in specialist crane operator or dogman roles in areas such as the building industry, heavy construction industry, marine environments, and on high rise building sites.

Qualification Specifications/ Ngā tauwhāititanga o te tohu

<p>Qualification Award/ Te whakawhiwhinga o te tohu</p>	<p>This qualification may be awarded by any education organisation with an approved programme or accreditation to deliver an approved programme leading to the qualification.</p>
<p>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</p>	<p>Evidence of employer support of the graduates of the programme and their feedback confirming the graduates have met the graduate profile outcomes of the qualification.</p>
<p>Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga</p>	<p>Achieved.</p>
<p>Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)</p>	<p>Candidates are expected to be employed in the cranes industry.</p> <p>The New Zealand Certificate in Cranes (Level 3) with strand in Dogman [Ref: 3730], or equivalent knowledge and skills, is a prerequisite for this qualification.</p>
<p>General conditions for programme/ Ngā tikanga whānui o te hōtaka</p>	<p>Programmes must use mandatory skill standards in the Conditions relating to the graduate profile below. The programme guidance is available at qualifications@waihangaararau.nz</p> <p>Programmes must reflect industry practice.</p> <p>Programme developers are advised to refer to the Workforce Development Council Programme Endorsement considerations:</p> <ul style="list-style-type: none"> • Programme content • Equity for learners • Programme engagement and consultation • Te ao Māori • Pacific languages and learners • Disabled people <p>And other programme guidance available at www.waihangaararau.nz.</p> <p>All learning and assessment in approved programmes leading to this qualification must be carried out in accordance with:</p> <ul style="list-style-type: none"> • Health and Safety at Work Act 2015, • Health and Safety (Worker Engagement, Participation, and Representation) Regulations 2016; and • Other Government and local government legislation, regulations, bylaws, and their subsequent amendments • Equipment manufacturers' operating instructions. • Company quality management systems.

	<p>Current legislation and regulations can be accessed at: http://legislation.govt.nz.</p> <p>The current version of the Cranes Safety Manual for Crane Operators and Dogman Version 4, and its subsequent amendments, available from Cranes Association New Zealand Ltd at: http://www.cranes.org.nz.</p> <p>Current Approved Codes of Practice for cranes can be accessed at: https://www.worksafe.govt.nz/topic-and-industry/cranes</p> <p>Programmes must ensure assessment is carried out in a crane workplace, equivalent or other non-simulated environment. Non-simulated environment means; working with the skill sets required in authentic experience in an organisational context, with commercial competence and the expectations and possible consequences of that context. The context must include but is not limited to:</p> <ul style="list-style-type: none"> • the candidate's workplace • a construction or industrial site.
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Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu

Qualification outcomes/ Ngā hua		Credits/Ngā whiwhinga	Conditions/Ngā tikanga
1.	Effective communication for lifting operations, including the establishment of an exclusion zone.	15	Skill standard Crane 8 <i>Effective communication for lifting operations</i> (Level 4) (credits 15)
2.	Plan lifts for regular and irregular loads including an assisted lift	25	Skill standard Crane 9 <i>Plan lifts for regular and irregular loads</i> (Level 4) (credits 25)
Elective Strand - Advanced Dogman			
3.	Complete calculations and use the results to sling irregular loads using appropriate lifting equipment.	25	Skill standard Crane 10 <i>Sling irregular loads for lifting operations</i> (Level 4) (credits 25)
Elective Strand - Crawler Crane			
4.	Configure a crawler crane to lift and place regular and irregular loads, and complete post-lift requirements to ensure the crane is safe.	25	Skill standard Crane 11 <i>Configure and operate a track crawler crane with lattice boom, lift and place regular and irregular loads</i> (Level 4) (credits 25)
5.	Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.	5	Skill standard Crane 16 <i>Hook up a crane with a crane-lifted work platform</i> (Level 4) (credits 5)

Elective Strand – Mini-crawler Crane			
6.	Prepare a mini-crawler crane for lifting, sling, lift, and place regular and irregular loads, and travel the crane according to manufacturer's requirements.	20	Skill standard Crane 12 <i>Configure and operate a mini-crawler crane, lift and place regular and irregular loads (Level 4) (credits 20)</i>
Elective Strand - Mobile Crane			
7.	Prepare a mobile crane for lifting, lift and place regular and irregular loads, prepare the crane for travel, and complete post-lift requirements to ensure the crane is safe.	25	Skill standard Crane 13 <i>Configure and operate a mobile crane, lift and place regular and irregular loads (Level 4) (credits 25)</i>
8.	Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.	5	Skill standard Crane 16 <i>Hook up a crane with a crane-lifted work platform (Level 4) (credits 5)</i>
Elective Strand - Non-Slewing Articulated Crane			
9.	Prepare a non-slewing articulated crane for lifting, lift, travel and place regular and irregular loads, prepare the crane for travel, and complete post-lift requirements to ensure the crane is safe.	15	Skill standard Crane 14 <i>Configure and operate a non-slewing articulated crane, lift and place regular and irregular loads (Level 4) (credits 15)</i>
10	Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.	5	Skill standard Crane 16 <i>Hook up a crane with a crane-lifted work platform (Level 4) (credits 5)</i>
Elective Strand - Tower Crane			
11	Prepare a tower crane for lifting, lift and place regular and irregular loads, and complete post-lift requirements to ensure the crane is safe.	15	Skill standard Crane 15 <i>Configure and operate a tower crane, lift and place regular and irregular loads (Level 4) (credits 15)</i>
12	Operate a crane with a crane-lifted work platform to enable personnel access in a commercially competent manner.	5	Skill standard Crane 16 <i>Hook up a crane with a crane-lifted work platform (Level 4) (credits 5)</i>

Transition information/ He kōrero whakawhiti

Replacement information/ He kōrero mō te whakakapi	This qualification replaces the New Zealand Certificate in Cranes (Level 4) with strands in Advanced Dogman, Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, and Tower Crane. [Ref 3731-2]
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<p>Additional transition information/ Kō ētahi atu kōrero mō te whakakapi</p>	<p>Version Information</p> <p>Version 3 of the qualification was published in xxxx 2024. Please refer to Qualifications and Assessment Standards Approvals for further information.</p> <p>The last date for assessment to take place for version 2 of the qualification is 31 December 2026.</p> <p>It is recommended that people currently working toward version 2 of the qualification and who are unable to complete the requirements by 31 December 2026 may transfer their existing achievement to version 2.</p> <p>It is not intended that anyone be disadvantaged by these transition arrangements. However, anyone who considers they have been disadvantaged can appeal to the qualification developer:</p> <p>Waihanga Ara Rau Construction and Infrastructure Workforce Development Council PO Box 445 Wellington 6140 Email: qualifications@waihangaararau.nz Website: www.waihangaararau.nz</p>

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