

QUALIFICATION DETAILS

Qualification number/Te nama o te tohu mātauranga	XXXX		
English title/Taitara Ingarihi	New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4) with optional strands in Precast Concrete Elements and Post-tensioned Concrete		
Māori title/Taitara Māori			
Version number/Te putanga	2	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	4	Credits/Ngā whiwhinga	140 - 160
NZSCED/Whakaraupapa	040399 Architecture and Building>Building>Building not elsewhere classified		
Qualification developer/Te kaihanganga tohu	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council		
Review Date /Te rā arotake	31/03/2025		

OUTCOME STATEMENT/TE TAUĀKI Ā-HUA

Strategic Purpose statement/ Te rautaki o te tohu
The purpose of this qualification is to provide the commercial and civil infrastructure industries with tradespeople who have the attributes, knowledge of current technologies and practical expertise required to carry out concrete construction work in a range of contexts across the concrete construction industry. The optional strands in Precast Concrete Elements and Post-tensioned Concrete, recognise specialised skills required in some settings in the concrete construction industry. This qualification is for people currently working in or entering the commercial building or civil infrastructure construction trades or for people from other construction related trades backgrounds who intend to work in the commercial building or civil infrastructure construction industry. Graduates will be able to operate unsupervised and perform to the required safety, technical, quality and productivity standards expected of a commercially competent concrete construction tradesperson.

Graduate Profile/Ngā hua o te tohu

Graduates of this qualification will be able to:

- Apply broad knowledge of current practices, technologies and skills to concrete construction.
- Apply broad knowledge of compliance and technical practices to plan and implement concrete construction projects.
- Operate to the standards expected of a commercially competent concrete construction tradesperson by maintaining quality, professionalism and positive work relationships.
- Apply broad knowledge of current practices and technologies to construct and dismantle formwork of standard and moderate complexity for concrete structures.
- Apply broad knowledge of current practices and technologies to handle, store and install reinforcing steel and materials of standard and moderate complexity for concrete structures.
- Apply broad knowledge of current practices and technologies to place and finish concrete of standard and moderate complexity for concrete structures.

Graduates of the **Precast Concrete Elements** (*optional*) strand will also be able to:

- Apply knowledge of current practices and technologies to position and secure precast concrete elements within concrete construction projects.

Graduates of the **Post-tensioned Concrete** (*optional*) strand will also be able to:

- Apply knowledge of current practices and technologies and follow requirements to post-tension concrete structures.

Education Pathway/ Ngā huarahi mātauranga

This qualification builds on the **New Zealand Certificate in Concrete Construction Skills (Level 3)** [Ref: XXXX] with strands in Formwork, Reinforcing, Placing and Finishing, Specified Concrete Finishes, Concrete Product Manufacture, Concrete Sawing and Drilling, and Precast Concrete Manufacture, and leads to the **New Zealand Certificate in Construction Trades Supervision (Level 5)** with strands in Commercial Construction, Construction Related Manufacturing, Construction Related Trades and Residential Building [Ref: 4237], and the **New Zealand Certificate in Infrastructure Works (Single Site Supervision) (Level 4)** [Ref: 2617].

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 skills and knowledge required to work as commercial building or civil infrastructure construction tradespeople in a broad range of contexts in the wider construction sector. Examples of roles include concrete tradesperson, formwork carpenter, reinforcing fixer, concrete finisher or specified finisher, post-tensioning technician, precast technician, concrete saw cutter, or leading hand.

QUALIFICATION SPECIFICATIONS/ NGĀ TAUWHĀITITANGA O TE TOHU

Qualification Award/ Te whakawhiwhinga o te tohu	This qualification can be awarded by any organisation that has an approved programme or is accredited to deliver an approved programme leading to this qualification.
Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga	Evidence may include: • Feedback from employers on the level of skills, knowledge, and behaviour inherent in the graduate outcomes are demonstrated by graduates. • Evidence of effective internal quality assurance systems to assure that graduates meet the graduate outcomes of the qualification.
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	Achieved.
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)	N/A
General conditions for programme/ Ngā tikanga whānui o te hōtaka	Programmes must use mandatory skill standards listed in the Conditions relating to the graduate profile below. Programme guidance is available at: qualifications@waihangaararau.nz. Programmes leading to this qualification must be consistent with the current legislative framework relevant to the industry the qualification covers including; Acts of Parliament, Regulations, Rules, Codes, Standards, Approved Codes of Practice and best/good practice guidelines. Providers are advised to refer to the Workforce Development Council Programme Endorsement

	considerations: • Programme content • Equity for learners • Programme engagement and consultation • Te ao Māori • Pacific languages and learners • Disabled people. Supporting information for programme developers on programme endorsement is available at: www.waihangaararau.nz.
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CONDITIONS RELATING TO THE GRADUATE PROFILE /NGĀ TIKANGA E HĀNGAI ANA KI NGĀ HUA O TE TOHU

Qualification outcomes/ Ngā hua		Credits/ Ngā whiwhinga	Conditions/ Ngā tikanga
1	Apply broad knowledge of current practices, technologies and skills to concrete construction.	30 credits	Skill standard Work zone Complete requirements for maintaining a work zone in a construction project (Level 4) (credits 10) Skill standard Operate 3 Operate and maintain equipment of moderate complexity in concrete construction (Level 4) (credits 5) Skill standard 40310 Use and store hand and power tools for construction tasks (Level 2) (credits 2) Skill standard 40311 Manage tool and equipment use in a construction environment (Level 3) (credits 3) Skill standard 40306 Explain material science in a construction environment (Level 4) (credits 5) Skill standard 40307 Identify construction strategies to manage environmental impact on buildings (Level 4) (credits 5)
2	Apply broad knowledge of	35	Skill standard 40296 Implement

	compliance and technical practices to plan and implement concrete construction projects.	credits	compliance practices in a construction environment (Level 4) (credits 6) Skill standard 40305 Plan and progress activities for a construction work programme (Level 4) (credits 10) Skill standard 40292 Protect the environment when undertaking construction work (Level 3) (credits 3) Skill standard 40297 Interpret information from plans and documentation for construction tasks (Level 3) (credits 3) Skill standard 40298 Interpret and update project documentation to progress a construction work programme (Level 4) (credits 5) Skill standard Set out Set out for in-ground or above-ground concrete construction (Level 4) (credits 5)
3	Operate to the standards expected of a commercially competent by maintaining quality, professionalism and positive work relationships.	15 credits	Skill standard Base Prepare a base of moderate complexity for in-situ concrete construction (Level 4) (credits 5) Skill standard 40300 Maintain standards of work in a construction environment (Level 3) (credits 5) Skill standard 40308 Develop and maintain positive work relationships in a construction environment (Level 4) (credits 4)
4	Apply broad knowledge of current practices and technologies to construct and dismantle formwork of standard and moderate complexity for concrete structures.	20 credits	Skill standard Formwork 1 Construct and dismantle formwork of standard complexity for concrete structures (Level 3) (credits 10) Skill standard Formwork 2 Construct and dismantle formwork of moderate complexity for concrete structures (Level 4) (credits 10)
5	Apply broad knowledge of current practices and technologies to handle, store and install reinforcing steel and	20 credits	Skill standard Reinforcing 1 Handle and store reinforcing materials (Level 3) (credits 5) Skill standard Reinforcing 2 Carry

	materials of standard and moderate complexity for concrete structures.		out steel reinforcing installation tasks of standard complexity for concrete structures (Level 3) (credits 5) Skill standard Reinforcing 3 Complete installation of reinforcing of moderate complexity for concrete structures (Level 4) (credits 10)
6	Apply broad knowledge of current practices and technologies to place and finish concrete of standard and moderate complexity for concrete structures.	20 credits	Skill standard Place and finish 1 Carry out placing and finishing tasks of standard complexity for concrete structures (Level 3) (credits 10) Skill standard Place and finish 2 Complete placing and finishing of moderate complexity for concrete structures (Level 4) (credits 10)
7	Optional Strand – Precast Concrete Elements Apply knowledge of current practices and technologies to position and secure precast concrete elements within concrete construction projects.	10 credits	Skill standard Precast Position and secure precast concrete elements in concrete construction (Level 4) (credits 10)
8	Optional Strand – Post-tensioned Concrete Apply knowledge of current practices and technologies and follow requirements to post-tension in-situ concrete structures.	10 credits	Skill standard Post-tension Post-tension in-situ concrete structures (Level 4) (credits 10)

TRANSITION INFORMATION/ HE KŌRERO WHAKAWHITI

Replacement information/ He kōrero mō te whakakapi	New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4) with optional strands in Precast Concrete Elements and Post-tensioned Concrete [Ref: 4188].
Additional transition information/ Kō ētahi atu kōrero mō te whakakapi	Version information This qualification was listed in XXXX 2025. Please refer to Qualifications and Assessment Standards Approvals for further information. The Qualification Developer may be contacted at:

	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council PO Box 445 Wellington 6140 Phone: 04 909 0174 Email: Qualifications@WaihangaAraRau.nz Website: www.waihangaararau.nz
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