

QUALIFICATION DETAILS

Qualification number/Te nama o te tohu mātauranga	XXXX		
English title/Taitara Ingarihi	New Zealand Certificate in Concrete Construction Skills (Level 3) with strands in Formwork, Reinforcing, Placing and Finishing, Specified Concrete Finishes, Concrete Product Manufacture, Concrete Sawing and Drilling, and Precast Concrete Manufacture		
Māori title/Taitara Māori			
Version number/Te putanga	2	Qualification type/Te momo tohu	Certificate
Level/Te kaupae	3	Credits/Ngā whiwhinga	50 - 65
NZSCED/Whakaraupapa	040399 Architecture and Building>Building>Building not elsewhere classified		
Qualification developer/Te kaihangā 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 recognise the practical and fundamental knowledge and skills required for concrete construction trades in a range of contexts in the concrete construction industry. This qualification is intended for people working in or entering a concrete construction trade. Each strand recognises the technical knowledge and skills required to perform a specific concrete construction trade skill. The concrete construction industry will benefit from having workers who have formal recognition of concrete trade knowledge and skills, the ability to work to commercial standards, a pathway for further learning, and enhanced employment options. Graduates will be able to operate under limited supervision to the required safety, technical, quality and productivity standards expected of a commercial concrete worker.

Graduate Profile/Ngā hua o te tohu

Graduates of this qualification will be able to:

- Work safely, responsibly and sustainably in a construction environment.
- Interpret, communicate, calculate and apply construction information for concrete construction tasks.
- Plan, use and manage tools and equipment for concrete construction tasks.

Graduates of the **Formwork strand** will also be able to:

- Apply working knowledge of current practices and technologies to construct and dismantle formwork for concrete structures.

Graduates of the **Reinforcing strand** will also be able to:

- Apply working knowledge of current practices and technologies to handle, store and install reinforcing materials for concrete structures.

Graduates of the **Placing and Finishing strand** will also be able to:

- Apply working knowledge of current practices and technologies to place and finish concrete.

Graduates of the **Specified Concrete Finishes strand** will also be able to:

- Apply working knowledge of current practices and technologies to create a range of specified concrete finishes.

Graduates of the **Concrete Product Manufacture strand** will also be able to:

- Apply working knowledge of current practices and technologies to manufacture concrete products such as masonry units, pavers and pipes.

Graduates of the **Concrete Sawing and Drilling strand** will also be able to:

- Apply working knowledge of current practices and technologies to saw and drill concrete.

Graduates of the **Precast Concrete Manufacture strand** will also be able to:

- Apply working knowledge of current practices and technologies to manufacture precast concrete elements.

Education Pathway/ Ngā huarahi mātauranga

This qualification leads to the New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4) [Ref: XXXX] or the New Zealand Certificate in Concrete (Specialist) with strands in Concrete Sawing and Drilling, and Prestressed Concrete [Ref: 4186]

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 required to carry out concrete trade work in the building, construction and infrastructure industries.

Career pathways may also include roles in concrete construction organisations employing general concrete construction workers or teams of concrete construction specialists. Examples of roles include concrete labourer, reinforcing hand, concrete finisher assistant, precast yard worker, or formwork assistant.

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	Work safely, responsibly and sustainably in a construction environment	20 credits	Skill standard 40299 Implement practices to maintain a healthy and safe construction environment (Level 3) (credits 3) Skill standard 40287 Contribute to a healthy and safe team in a construction environment (Level 3) (credits 3) Skill standard 40292 Protect the environment when undertaking construction work (Level 3) (credits 3) Skill standard 40291 Reduce material waste in a construction environment (Level 2) (credits 3) Skill standard 40300 Maintain standards of work in a construction environment (Level 3) (credits 5) Skill standard 40290 Respond to the construction environment when interacting with others (Level 3) (credits 2)
2	Interpret, communicate, calculate and apply construction information for concrete construction tasks.	10 credits	Skill standard 40297 Interpret information from plans and documentation for construction tasks (Level 3) (credits 3) Skill standard 40289 Use and respond to trade language to progress construction tasks (Level 2) (credits 2) Skill standard 40294 Interpret measurements in a construction environment (Level 2) (credits 2) Skill standard 40295 Problem-solve using calculations in a construction environment (Level 3) (credits 3) Skill standard 40303 Describe suitability of concrete used in construction (Level 3) (credits 3)
3	Plan, use and manage tools and equipment for concrete construction tasks	10 credits	Skill standard 40304 Plan own tasks to fit within a construction work programme (Level 3) (credits 3) 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)

4	Elective Strand – Formwork Apply working knowledge of current practices and technologies to construct formwork.	10 credits	Skill standard Formwork 1 Construct and dismantle formwork of standard complexity for concrete structures (Level 3) (credits 10)
5	Elective Strand – Reinforcing Apply working knowledge of current practices and technologies to bend and fix reinforcing.	10 credits	Skill standard Reinforcing 1 Handle and store reinforcing materials (Level 3) (credits 5) Skill standard Reinforcing 2 Carry out steel reinforcing installation tasks of standard complexity for concrete structures (Level 3) (credits 5)
6	Elective Strand – Placing and Finishing Apply working knowledge of current practices and technologies to place and finish concrete.	10 credits	Skill standard Place and Finish 1 Carry out concrete placing and finishing tasks of standard complexity (Level 3) (credits 15)
7	Elective Strand – Specified Concrete Finishes Apply working knowledge of current practices and technologies to create a range of specified concrete finishes.	15 credits	Skill standard Finishing Apply specified finishes of standard complexity to concrete surfaces (Level 3) (credits 15)
8	Elective Strand – Concrete Product Manufacture Apply working knowledge of current practices and technologies to manufacture concrete products such as masonry units, pavers, and pipes.	25 credits	Skill standard Operate 1 Operate and maintain equipment of standard complexity for concrete product manufacture (Level 3) (credits 10) Skill standard Manufacture Manufacture concrete products of standard complexity (Level 3) (credits 10) Skill standard Post-prod Carry out post-production processes of standard complexity for concrete products or precast concrete (Level 3) (credits 5)
9	Elective Strand – Concrete Sawing and	15 credits	Skill standard Saw and drill Saw and drill concrete of standard complexity with hand-

	Drilling Apply working knowledge of current practices and technologies to saw and drill concrete.		held power tools (Level 3) (credits 15)
10	Elective Strand – Precast Concrete Manufacture Apply working knowledge of current practices and technologies to manufacture precast concrete elements.	25 credits	Skill standard Pre-prod Complete pre-production processes for manufactured concrete (Level 3) (credits 5) Skill standard Place and Finish 1 Carry out concrete placing and finishing tasks of standard complexity (Level 3) (credits 10) Skill standard Post-prod Carry out post-production processes of standard complexity for concrete products or precast concrete (Level 3) (credits 5) Skill standard Operate 2 Operate and maintain equipment of standard complexity for precast concrete manufacture (Level 3) (credits 5)

TRANSITION INFORMATION/ HE KŌRERO WHAKAWHITI

Replacement information/ He kōrero mō te whakakapi	This qualification replaced the New Zealand Certificate in Concrete Construction Skills (Level 3) [Ref:4189] with strands in Formwork, Reinforcing, Placing and Finishing, Specified Concrete Finishes, Concrete Product Manufacture, Concrete Sawing and Drilling, and Precast Concrete Manufacture.
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