

40561**Complete concrete work as a BCATS project**

Kaupae Level	2
Whiwhinga Credit	4
Whāinga Purpose	<p>This skill standard is for people intending to develop basic skills and knowledge relevant to various building, construction, and allied trades contexts.</p> <p>This skill standard recognises the skills to complete concrete work as a project for building, construction, and allied trades.</p> <p>This skill standard may align with the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 2) [Ref: 3844].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Complete concrete work as a BCATS project.	a. Concrete-laying materials are identified, and a materials list is prepared according to project documentation.
	b. Ground excavation and formwork set up is completed to make sure concrete work meets documentation requirements.
	c. Hard fill is placed and compacted, and any required reinforcement is installed, in preparation for concrete placement to meet documentation requirements.
	d. Concrete is mixed and placed to the consistency and dimensions to meet documentation requirements.
	e. Concrete work is finished and cured to meet documentation requirements.
	f. Quality control checks are undertaken to confirm project meets documentation requirements.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria*Assessment specifications:*

Candidates are required to complete each of the project tasks for one concrete work. See the Level 2 BCATS Programme Guidance document for a list of appropriate examples. The concrete work may be a section of larger group project. Where the project is completed as a group, candidates must demonstrate competence for each of the assessment criteria requirements.

It is expected that:

- candidates are required to use a range of techniques and tools.
- the terrain allows for candidates to undertake minor excavations to level surface.
- documentation for the project is provided to candidates.
- minor blemishes in the project do not affect functionality.

Ngā momo whiwhinga | Grades available

Achieved / Merit / Excellence.

Paetae Achieved	Kaiaka Merit	Kairangi Excellence
Complete concrete work as a BCATS project.	Efficiently complete concrete work as a BCATS project.	Skilfully complete concrete work as a BCATS project.

Kaiaka/Merit: Efficiently refers to the efficient use of construction techniques and overall attention to detail, resulting in a well-executed project.

Kairangi/Excellence: Skilfully refers to the precise use of construction techniques, resulting in a consistent, reliable and visually aesthetic project.

Ihirangi waitohu | Indicative content

- Composition, ingredient ratios, and properties of concrete.
- Basic terminology and calculations to help with the materials list.
- Tools required to complete concrete jobs.
- Setting up and maintaining a safe worksite.
- Construction and setting up formwork
- Mixing techniques for concrete.
- Requirements when working with different aggregates.
- Methods to place, compact and finish concrete.
- Concrete curing.
- Reflection on the success or failure of the project.
- Quality control checks.

Rauemi | Resources

BCATS Programme Guidance, available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 May 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 12933.		
Rā arotake Planned review date	31 December 2030		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.