

40550 Carry out basic concrete placement as a BCATS project

Kaupae Level	1
Whiwhinga Credit	4
Whāinga Purpose	<p>This skill standard is for people intending to gain an introduction to basic skills relevant to the building, construction, and allied trades sectors.</p> <p>This skill standard recognises the skills to complete basic 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 1) [Ref: 3843].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Carry out basic concrete placement as a BCATS project.	a. Concrete-laying materials are identified, and a materials list is prepared according to project documentation.
	b. Formwork parts are measured and cut to project documentation.
	c. Formwork is set up to allow for ease of removal once the concrete is cured and to ensure the finished concrete is to project documentation.
	d. Concrete is mixed to a consistency suitable for the method of placement and concrete project.
	e. Concrete is placed and finished evenly across the job to the depth and finish required.
	f. Concrete project is protected from environmental conditions to allow for proper curing.

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

Assessment specifications:

Evidence is required for one basic concrete placement project.

Basic concrete placement refers to a small-scale project where the ground is level for the setting up of simple formwork, involves straightforward concrete placement tasks, and use of a standard concrete mix (without special additives).

Ngā momo whiwhinga | Grades available

Achieved / Merit / Excellence.

Paetae Achieved	Kaiaka Merit	Kairangi Excellence
Carry out basic concrete placement as a BCATS project.	Efficiently carry out basic concrete placement as a BCATS project.	Skilfully carry out basic concrete placement as a BCATS project.

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

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

Ihirangi waitohu | Indicative content

- Composition, ingredient ratios and properties of concrete.
- Tools required to complete concrete jobs.
- Basic terminology and calculations to help with the materials list.
- Reflection on the success or failure of the finished product once the concrete is dry.
- Working to tolerances and reasons for this.

Rauemi | Resources

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

Pārongo Whakaū Kounga | 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
Rēhītatanga Registration	1	29 May 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 31813.		
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.