

Title	Complete basic concrete works as a BCATS project		
Level	1	Credits	4

Purpose	<p>This unit standard has been designed to be achieved in a building, construction and allied trades skills (BCATS) programme.</p> <p>People credited with this unit standard are able to: calculate quantities and prepare an order for materials for basic concrete works; construct formwork for basic concrete works; mix, place, finish and cure basic concrete works; and complete work operations.</p>
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Classification	Construction Trades > Building, Construction, and Allied Trades Skills
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Available grade	Achieved
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Guidance Information

1 Definitions

BCATS environment refers to any workplace or context where work or activities related to the building, construction and allied trades sector take place, such as school workshops, training establishments, outdoor areas and industry placement workplaces.

BCATS project refers to a project undertaken in a BCATS environment under general supervision, using a range of tools, equipment and materials, and involving standard processes.

Specifications refers to documented instructions (oral, written, graphic) such as: manufacturers' specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

Working drawings are the set of drawings associated with a construction project, and may include plans, elevations, sections, details or any other drawings that give information about the project.

Workplace practice refers to procedures specific to a BCATS environment, which cover the standard and required practices of that environment.

2 Assessment against this unit standard may occur in any BCATS environment.

3 Candidates are required to complete one basic concrete works as evidence for assessment against this unit standard. Basic concrete works may include a planter box, a concrete base/s for an outdoor seat or table, or projects of similar complexity.

- 4 Legislation relevant to this unit standard includes:
Health and Safety at Work Act 2015;
Health and Safety at Work Regulations 2016.

Outcomes and performance criteria

Outcome 1

Calculate quantities and prepare an order for materials for basic concrete works.

Performance criteria

- 1.1 Quantities of materials are calculated from working drawings and job specifications.
- 1.2 An order for materials is prepared in accordance with workplace practice.

Outcome 2

Construct formwork for basic concrete works.

Performance criteria

- 2.1 Components for formwork are measured and cut to job specifications.
- 2.2 Formwork is set up to ensure that finished concrete is in accordance with job specifications.
- 2.3 Allowance is made for ease of removal of formwork once concrete is cured.

Outcome 3

Mix, place, finish and cure basic concrete works.

Performance criteria

- 3.1 Concrete is mixed in accordance with job specifications.
- 3.2 Concrete is placed, compacted and finished in accordance with job specifications.
- 3.3 Concrete is cured in accordance with job specifications.

Outcome 4

Complete work operations.

Performance criteria

- 4.1 All operations are safely completed in accordance with workplace practice.

- 4.2 Workplace, tools, plant and equipment are cleaned, and tools, plant and equipment are stored in accordance with workplace practice.

Replacement information	This unit standard was replaced by skill standard 40550.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 June 2019	31 December 2027
Review	2	29 May 2025	31 December 2027

Consent and Moderation Requirements (CMR) reference	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.