

Title	Measure and calculate for a Stage 3 BCATS project		
Level	3	Credits	3

Purpose	<p>This unit standard has been designed to be achieved within a building, construction and allied trades skills (BCATS) programme.</p> <p>A person credited with this unit standard is able to measure and calculate for a Stage 3 BCATS project.</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 means 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.

Calculations refer to those suited to BCATS projects, such as addition, subtraction, multiplication, division, converting fractions to decimals and percentages (and vice versa), square, square root, using formulae to calculate area and volume, and trigonometry.

Industry placement refers to a student being placed with an organisation to gain experience of what it is like to work within a sector of the building and construction industry.

Stage 3 BCATS project means a project undertaken in a BCATS environment under limited supervision, using a broad range of tools, equipment, machinery and materials, and involving a range of standard processes.

Workplace practice refers to the documented 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 a wide range of BCATS environments as listed above.

3 Calculators and computers may be used in achievement of credit for this unit standard.

Outcomes and performance criteria

Outcome 1

Measure and calculate for a Stage 3 BCATS project.

Performance criteria

- 1.1 Required measurements and calculations are determined.
- 1.2 Mathematical methods that are chosen are appropriate for the required measurements and calculations.
- 1.3 Chosen methods are applied in the context of the situations provided.
- 1.4 Measurements and calculations are undertaken and are accurate and consistent with the requirements of the Stage 3 BCATS project.
- 1.5 Information and results are accurately presented in accordance with workplace practice.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 October 2016	N/A
Rollover	2	29 September 2022	N/A

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>.

Comments on this unit standard

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