

<b>Title</b>	<b>Measure and calculate for a Stage 3 BCATS project</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	<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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<b>Classification</b>	Construction Trades > Building, Construction, and Allied Trades Skills
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<b>Available grade</b>	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.

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## 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.
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<b>Replacement information</b>	This unit standard was replaced by skill standard 40572.
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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	20 October 2016	31 December 2027
Rollover	2	29 September 2022	31 December 2027
Review	3	29 May 2025	31 December 2027

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