

Title	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project		
Level	3	Credits	4

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 select, safely use, and maintain tools and equipment; and select, set up, safely operate and maintain machinery for a Stage 3 BCATS project.</p>
----------------	---

Classification	Construction Trades > Building, Construction, and Allied Trades Skills
-----------------------	--

Available grade	Achieved
------------------------	----------

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.

BCATS project documentation refers to information and instructions (oral, written, graphic) that detail the parameters of and planning for a BCATS project. The BCATS project documentation may include such things as project briefs, project plans, working drawings, specifications, and quality control procedures, but this will vary depending on the particular BCATS environment and BCATS project.

Equipment refers to the range of non-mechanical equipment or mechanical equipment that is typically required to complete Stage 3 BCATS projects within a BCATS environment.

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.

Machinery refers to fixed or mobile machinery that is typically required to complete Stage 3 BCATS projects within a BCATS environment.

Maintain refers to the general tasks performed to keep tools, equipment and machinery in working order, not tasks requiring the services of a specialist engineer or service technician.

Specifications refers to documented instructions (oral, written, graphic) such as: manufacturer’s 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.

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.

Tools refer to the range of hand and power tools that are typically required to complete Stage 3 BCATS projects within a BCATS environment.

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 The use of tools, equipment and machinery is restricted to the BCATS environment and does not equate to the level of commercial competence expected of trade practitioners.
- 4 Health and Safety note for schools:
It is expected that teachers comply with *Safety in Technology Education: A Guidance Manual for New Zealand Schools*; Learning Media, Ministry of Education, 2014, and any subsequent versions of this document.
- 5 Legislation relevant to this unit standard includes but is not limited to:
Health and Safety at Work Act 2015.
Health and Safety at Work Regulations 2016.

Outcomes and performance criteria

Outcome 1

Select, safely use, and maintain tools and equipment for a Stage 3 BCATS project.

Performance criteria

- 1.1 Tools and equipment required for a Stage 3 BCATS project are selected in accordance with the BCATS project documentation, specifications and workplace practice.
- 1.2 Selected tools and equipment are inspected and used safely, in accordance with specifications and workplace practice.
- 1.3 Selected tools and equipment are maintained in accordance with specifications and workplace practice.
- 1.4 Tools and equipment are cleaned and cleared after use, in accordance with workplace practice.

Outcome 2

Select, set up, safely operate and maintain machinery for a Stage 3 BCATS project.

Performance criteria

- 2.1 Machinery required for a Stage 3 BCATS project is selected in accordance with the BCATS project documentation, specifications and workplace practice.
- 2.2 Selected machinery is set up in accordance with specifications and workplace practice.
- 2.3 Selected machinery is operated in accordance with specifications and workplace practice.
- 2.4 Machinery and work area are cleaned and cleared after use, in accordance with workplace practice.
- 2.5 Machinery is maintained in accordance with specifications and workplace practice.

Planned review date	31 December 2024
----------------------------	------------------

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
--	------

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.