

## 40554 Use fixed machinery for a BCATS project

<b>Kaupae   Level</b>	2
<b>Whiwhinga   Credit</b>	5
<b>Whāinga   Purpose</b>	<p>This skill standard is for people intending to develop basic skills and knowledge relevant to various building, construction, and allied trades contexts.</p> <p>This skill standard recognises the skills to use fixed machinery in a project for building, construction, and allied trades.</p> <p>This skill standard aligns with the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 2) [Ref: 3844].</p>

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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Use fixed machinery for a BCATS project.	a. Personal protective equipment for working with fixed machinery is selected and used to meet requirements of the project and health and safety controls in the BCATS environment.
	b. Fixed machinery is set up safely according to manufacturer's instructions.
	c. Fixed machinery is used to produce machined material to meet project requirements.
	d. Fixed machinery is cleaned and cleared after use to maintain safety, cleanliness and functionality.

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

#### Assessment specifications:

Candidates must demonstrate competence of use fixed machinery to shape, join and finish components for a BCATS project (or projects). Projects at this level can be prescribed, with a focus on industry entry-level skills, using a range of techniques and tools to achieve the project outcome.

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

*Fixed machinery* may include band saw, bench grinder, bench saw, CNC router, compound/mitre saw, drill press, horizontal borer, laser cutter, lathe, sander, surface planer, table-mounted/overhead rounder, table saw, thicknesser.

*Project requirements* may refer to progression of tasks, required quality checks and standard of finishing, project timelines, health and safety, and environmental considerations.

**Ngā momo whiwhinga | Grades available**

Achieved / Merit / Excellence.

<b>Paetae   Achieved</b>	<b>Kaiaka   Merit</b>	<b>Kairangi   Excellence</b>
Use fixed machinery for a BCATS project.	Use fixed machinery effectively for a BCATS project.	Use fixed machinery skilfully for a BCATS project.

*Kaiaka | Merit: Effectively* refers to consistently ensuring machines are used, maintained and stored appropriately and safely.

*Kairangi | Excellence: Skilfully* refers to use of tools producing precise and accurate results, while ensuring safety and optimal functionality.

**Ihirangi waitohu | Indicative content**

- Personal protective equipment (PPE) used for the operation of fixed machinery.
- Purpose, advantages, and limitations of fixed machines.
- Safe operating procedures for startup, use, and shutdown of fixed machinery.
- Dust and noise protection.
- Methods of safeguarding fixed machinery.
- Electrical safety.
- Push sticks for band saws and how they should be used.

**Rauemi | Resources**

BCATS Programme Guidance, available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0120

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	29 May 2025	N/A
<b>Kōrero whakakapinga   Replacement information</b>	This skill standard replaced unit standard 24351.		
<b>Rā arotake   Planned review date</b>	31 December 2030		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.