



BCATS

BUILDING, CONSTRUCTION
AND ALLIED TRADE SKILLS

L2 Safety

Teacher/Tutor resource



Unit Standard 24354 (v3), Level 2

Demonstrate knowledge of
health & safety legislation &
apply safe working practices
in a BCATS environment

4 CREDITS

BCITO
buildingpeople

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(BCITO)**

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Teaching and assessment tips

Purpose

This unit standard credits learners who can:

- demonstrate knowledge of health and safety legislation and procedures in a BCATS environment and
- apply these procedures to ensure the safety of themselves and others.

Specifically, students need to show you they can:

- explain health and safety in the workplace legislation and how it affects workers and a Person Conducting a Business or Undertaking (PCBU) (the employer)
- identify hazards, their level of risks, and how to control the hazards. This includes identifying personal hazards, such as not enough training, clothing, hair, footwear, jewellery, lifting and handling materials, and heights.
- recognise hazard warning signs
- explain and demonstrate emergency procedures for each of a simulated fire, earthquake, accident, and chemical spill
- complete all tasks safely. This includes using PPE, protective clothing and protective barriers, and being trained to and using tools, equipment, and machinery safely
- keep the work area clean and tidy.

More information about the unit standard's requirements can be found in the Assessment Schedule at the end of this document.

Assessment

Students need to demonstrate knowledge of health and safety legislation and complete a BCATS project using safe working practices.

The skills and knowledge required for this unit standard are assessed using the Knowledge Assessment Sheet provided and completing the Assessor Observation Sheet. The Learner Self-reflection Sheets are useful exercises for students to support their learning through testing their knowledge. These are not required for assessment purposes.

Information to support assessment decisions should, wherever possible, be collected naturally as the BCATS project progresses.

Assessment of this unit standard consists of:

- **safe completion of a BCATS project and**
- **completion of the Knowledge Assessment Sheet and**
- **completion of the Assessor Observation Sheet.**

Alignment with other unit standards

Developing programmes that integrate teaching and learning helps to provide students with meaningful and manageable learning opportunities. The following unit standards are not an exhaustive list of which you could include in your programme and nor should one feel obligated to offer all as linked units. Other unit standards you include will depend on your overall programme of study and what best meets your learners' needs.

12932: *Construct timber garden furniture as BCATS projects*

12933: *Complete minor concrete works as a BCATS project*

12935: *Construct a spaced residential timber deck up to one metre high as a BCATS project*

12938: *Lay paving blocks as a BCATS project*

12939: *Construct a basic retaining wall as a BCATS project*

25921: *Make a cupboard with a drawer as a BCATS project³¹*

31812: *Complete a BCATS project*

The projects for the above unit standards can only be achieved if all operations are performed safely. They all provide a suitable context to demonstrate US 24343's requirements for applying safe working practices.

12927: *Demonstrate knowledge of, select, maintain, and use hand tools for BCATS projects*

24350: *Identify, select, maintain and use portable power tools for BCATS projects*

24351: *Identify, select, maintain and use specified fixed machinery in the construction of BCATS projects*

The above unit standards can only be achieved if the tools and machinery are used safely, which may include the correct use of PPE, machinery guards and fences, safety devices, and associated equipment. While students may not necessarily complete the theory aspects of these unit standards while focusing on their project, they should be encouraged to document evidence of the tools and machinery they selected and used.

24357: *Receive instructions and communicate information in relation to BCATS projects*

Correctly interpreting and following instructions and good communication throughout a project are important contributors to the safe use of tools, equipment, machinery, and materials, and avoiding any accidents or harm to self and others, and successful projects. US 24357 and 24354 are therefore complementary.

Assessment Schedule

US 24354 (v3) - Demonstrate knowledge of health and safety legislation and apply safe working practices in a BCATS environment (Level 2, Credit 4)

Outcome 1	Demonstrate knowledge of health and safety legislation as it applies to a BCATS environment	Assessment evidence and judgement
PC 1.1	The purpose of the Health and Safety at Work Act 2015 is explained.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> the purpose of legislation relating to health and safety in the workplace in regards to the Health and Safety at Work Act 2015 was explained.
PC 1.2	The responsibilities of workers under the Health and Safety at Work Act 2015 are described.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> worker's responsibilities under the Health and Safety at Work Act 2015 were described..
PC 1.3	The responsibilities of a person conducting business or undertaking (PCBU) under the Health and Safety at Work Act 2015 are described.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> person conducting a business or undertaking's (PCBUS) responsibilities under the Health and Safety at Work Act 2015 were described.
Outcome 2	Demonstrate knowledge of health and safety procedure in a BCATS environment	Assessment evidence and judgement
PC2.1	Hazard identification and risk assessment procedures are described in relation to a specific BCATS environment.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> correct risk assessment procedures to follow once a hazard has been identified. Hazards could include: electrical, chemical, fire, fumes, gas, compressed air, noise, material, falling, lifting.
PC2.2	Warning signs relating to workplace hazards are identified and interpreted.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> correct identification of warning signs.
PC2.3	Personal hazards are identified and explained in relation to a specific BCATS environment.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> correct personal hazards identified and explained. Personal hazards could include: insufficient training, clothing, hair, footwear, jewellery, lifting, handling, heights, occupational overuse syndrome.
PC2.4	Hazard control procedures are described for potential hazards in relation to a specific BCATS environment.	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> correct hazard control procedures.
PC2.5	Workplace practices for action in the event of emergency are explained. <i>Range – fire, earthquake, accident, chemical spillage.</i>	Evidence gathered from Knowledge Assessment Sheet showing: <ul style="list-style-type: none"> correct actions to take in the event of an emergency.
Outcome 3	Apply safe working practices in a BCATS environment	Assessment evidence and judgement
PC 3.1	Working practices that ensure personal safety are demonstrated.	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> participated fully in induction training and PPE used correctly protective clothing and barriers used correctly participated fully in training for use of specific machines.
PC 3.2	All items of PPE required for the project are selected and used in accordance with manufacturer's instructions and workplace practice.	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> all appropriate PPE selected and used correctly.
PC 3.3	Safe working practices when using tools, equipment, and machinery are demonstrated in accordance with workplace practice and manufacturer's instructions.	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> tools and equipment used safely machinery fences and guards, and safety devices used correctly safe operating techniques for machinery demonstrated.
PC 3.4	Work areas are kept clean and free of surplus tools and debris.	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> walkways, floors, and workbenches in student's work area are clean and free of surplus tools and debris.
PC 3.5	Equipment is inspected and used in accordance with manufacturer's instructions and workplace practice.	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> equipment checked and used correctly.
PC 3.6	Workplace practices in the event of emergency are simulated. <i>Range - fire, accident, chemical spillage, and emergency.</i>	Evidence gathered from the Assessor Observation Sheet showing: <ul style="list-style-type: none"> workplace practices are simulated for fire, accident, chemical spillage, and emergency.

