



Australian Government

Department of Education, Employment and Workplace Relations

NWP10110 Certificate I in Water Sustainability

Revision Number: 2

NWP10110 Certificate I in Water Sustainability

Modification History

NWP10110 Release 2: Layout adjusted. No changes to content.
NWP10110 Release 1: Primary release.

Description

The Certificate I in Environmental Sustainability provides pathways into the water industry for, in particular, young people who are seeking an opportunity to gain experience of the industry while developing a set of valuable employability skills.

To achieve this qualification the candidate must demonstrate competency in seven units of competency, comprising:

- four core units
- two industry project units
- two pathways units specifically incorporating employability skills
- three elective units.
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Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Qualification code: NWP10110

Qualification title: Certificate I in Water Sustainability

The following table contains a summary of the employability skills as identified by the water industry for this qualification. The employability skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include the following facets:
Communication	<ul style="list-style-type: none">• communicates effectively and appropriately with others• reads and interprets workplace information accurately• uses literacy skills in regard to written and verbal communication in the workplace• uses basic interpersonal and communication skills (including listening and questioning, receiving feedback)• records and relays relevant information• understands relevant definitions, terminology, symbols and language• interprets maps and simple plans• explains water systems• follows instructions• maintains and checks records and documents• reports and documents water-related research and projects• uses correct water industry terminology when communicating and reporting
Teamwork	<ul style="list-style-type: none">• works collaboratively and effectively with team members• applies work procedures accurately and in a timely manner• relates positively to fellow team members• applies procedures for maintaining a tidy and clean personal work area• works cooperatively and collaboratively with others to complete tasks
Problem solving	<ul style="list-style-type: none">• researches, assesses and explains a limited range of principles and functions of water systems• responds effectively to hazards, risks and emergencies• performs mathematical and scientific calculations• applies water testing processes• uses appropriate techniques to solve or report problems identified when completing work tasks• applies scientific principles to the design, construction and operation of a working model of a water system
Initiative and enterprise	<ul style="list-style-type: none">• identifies risks and hazards• takes opportunities to work with team members and supervisors

Employability Skill	Industry/enterprise requirements for this qualification include the following facets:
	to improve processes <ul style="list-style-type: none"> • takes appropriate initiative to deal with problems and complete tasks
Planning and organising	<ul style="list-style-type: none"> • plans personal work • researches, explores, assesses and explains a limited range of principles and functions of water systems • investigates local water and wastewater systems • researches, assesses and reports on water systems and water quality, distribution and treatment • plans water sampling and testing • plans and designs a basic water system
Self management	<ul style="list-style-type: none"> • adapts and modifies activities depending on differing workplace contexts and environments • plans skills development • identifies and responds to risks to personal wellbeing which may affect safe performance in the workplace • recognises limitations in skills and experience, asks for help and seeks clarification or information about work requirements and procedures
Learning	<ul style="list-style-type: none"> • undertakes research on a limited range of water systems and management • seeks and applies feedback on personal performance • plans skills development • checks and confirms policies, procedures and legislative requirements • checks systems and equipment used in the workplace and the instructions, processes and precautions for their use
Technology	<ul style="list-style-type: none"> • uses technical equipment for measuring, sampling, testing and making adjustments • uses computer equipment for recording data, researching on the internet, and using graphic simulations, plans and diagrams • uses work-related plant, equipment and tools • identifies and correctly uses equipment, tools and other technology required to complete project tasks, including scientific equipment, computers, and safety and field equipment • applies procedures for identifying and using suitable work-related technology when carrying out project calculations

The diverse nature of the candidates undertaking this qualification may include students undertaking VET in Schools programs or people involved in other forms of pre-employment or early employment programs. Therefore, the facets of the above employability skills are representative of the water industry in general and may not reflect specific job roles. Learning and assessment strategies for this qualification should be based on the requirements as identified in units of competency that meet packaging guidelines. This table is a summary of employability skills that are typical of this qualification and should not be interpreted as definitive.

Packaging Rules

7 units of competency are required for this qualification including:

- 4 core units
- 3 elective units

Choose a minimum of 2 elective from the list below.

Choose the remaining 1 elective unit from either the list below, **or** elsewhere in this Training Package, **or** another endorsed Training Package **or** Accredited Course.

All elective units selected from outside this qualification must be selected from qualifications aligned to AQF level 1 or 2.

Elective units selected must not duplicate content already covered by other units in this qualification.

Core	
NWP101B	Investigate sustainable water cycle management
NWP102B	Design a basic water system model
NWP103B	Demonstrate care and safe practices
NWP104B	Sample and test water sources and quality
Electives	
NWP105B	Draw and use simple maps, plans and drawings
BSBLED101A	Plan skills development
BSBWOR204A	Use business technology
BSBITU201A	Produce simple word processed documents
BSBITU202A	Create and use spreadsheets