



**Australian Government**

# **MSS50216 Diploma of Environmental Monitoring and Technology**

**Release 1**

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## **Modification History**

Release 1. Supersedes and is equivalent to MSS50211 Diploma of Environmental Monitoring and Technology.

## **Qualification Description**

The MSS50216 Diploma of Environmental Monitoring and Technology specifies the competencies required to apply a range of methods and technologies to conduct environmental sampling, testing and monitoring in most industry sectors, and to assist environmental scientists, engineers and planners with site assessment, minimising environmental impacts of processes and remediation/rehabilitation of sites.

This qualification applies to environmental officers, environmental protection officers, environmental compliance officers, environmental technicians and similar personnel employed by enterprises and Commonwealth, state/territory and local governments. These personnel often work with environmental scientists, engineers, planners and community groups to manage and conserve natural systems and resources, minimise pollution, remediate/rehabilitate sites and trial practical strategies to protect and improve ecosystems. Their work often involves environmental monitoring and technology, internal auditing and continuous improvements to enhance compliance and minimise the environmental impacts of processes. Government employees may be more involved with external inspection and auditing of enterprises and negotiating appropriate responses to instances of non-compliance.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## **Entry Requirements**

There are no entry requirements for this qualification.

## Packaging Rules

To be awarded the MSS50216 Diploma of Environmental Monitoring and Technology, competency must be achieved in a total of **twenty (20)** units of competency.

- **eleven (11)** core units of competency
- **nine (9)** elective units of competency, as specified below.
  - a minimum of **five (5)** units from Group A
  - the balance of units, to a maximum of **four (4)**, may be selected from:
    - Group A units, not previously selected
    - Group B and C units, listed below, with a maximum of **three (3)** units from Group C.

A maximum of **four (4)** Group B and C electives may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are relevant and available at Diploma level and above. **This could include relevant units available in AHC10 Agriculture, Horticulture and Conservation and Land Management Training Package.**

Units listed under **core** are considered essential for all environmental officers. The units listed as **electives** may only apply to some personnel according to the size and scope of the particular enterprise and industry sector.

**Note:** Units with prerequisites are marked with an asterisk\*. Prerequisite units must be counted in the total number of units required for achievement of the qualification. Refer to individual units for details.

### Core units of competency

Unit code	Unit title	Prerequisites
MSS024002	Implement environmental management plans and procedures	
MSS024003	Apply an understanding of environmental principles to a site	
MSS024004	Process and present environmental data	
MSS025001	Assist with assessing site environmental indicators	*
MSS025002	Assess the environmental risk or impact of a project activity or process	*

MSS025003	Report environmental data	*
MSS025004	Provide environmental information to customers	
MSMENV472	Implement and monitor environmentally sustainable work practices	
MSL943002	Participate in laboratory/field workplace safety	
MSL952001	Collect routine site samples	
MSL974007	Undertake environmental field-based monitoring	
<b>Elective units of competency</b>  <b>Group A</b>		
Unit code	Unit title	Prerequisites
MSS015001	Measure and report carbon footprint	
MSS015010	Conduct a sustainability water use audit	
MSS015011	Conduct a sustainability energy audit	
MSS015012	Conduct an emissions audit	
MSS015018	Inform and advise organisation and community representatives on sustainability issues	
MSS025005	Produce site maps	*
MSS025006	Collect and evaluate groundwater data	
MSS025007	Perform sampling and testing of soils	*
MSS025008	Monitor and evaluate noise	
MSS025009	Perform sampling and testing of air	
MSS025010	Assist with odour source assessment	
MSS025011	Assist with odour field assessment	
MSS025012	Perform environmental microbiological tests	*

MSS025013	Assist with assessing and monitoring wetlands	
MSS025014	Perform sampling and testing of contaminated sites	*
MSS025015	Plan and conduct environmental project work	
MSS025016	Perform sampling and testing of stationary emissions	
MSL975011	Design and supervise complex environmental field surveys	*
MSL975017	Perform laboratory-based ecological techniques	*
MSL975023	Supervise geotechnical site investigations	*
CPPWMT4001A	Plan waste audit	
CPPWMT4002A	Carry out waste audit	
PSPRAD007	Monitor radiation	
<b>Group B</b>		
<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
MSS014006	Contribute to sustainability related audits	
MSS024001	Work and communicate effectively as an environmental technician	
MSS024005	Collect spatial and discrete environmental data	
MSS024006	Perform sampling and testing of water	
MSS024007	Collect and evaluate meteorological data	
MSS024008	Recognise common geological landforms and samples	
MSS024009	Assist with assessing and monitoring stormwater systems	
MSS024010	Perform environmental biological techniques	
MSS024011	Navigate in urban, regional and remote areas	
MSS024012	Undertake simple environmental project activities	

BSBWHS409	Assist with workplace monitoring processes	
MSL904001	Perform standard calibrations	
MSL924002	Use laboratory application software	
MSL954001	Obtain representative samples in accordance with sampling plan	
MSL974002	Conduct geotechnical site investigations	*
MSL974003	Perform chemical tests and procedures	
MSL974006	Perform biological procedures	*
MSL974009	Undertake field-based, remote sensing monitoring	
PSPRAD301	Perform basic radiation measurements	
<b>Group C</b>		
<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
CUAPHI302	Capture photographic images	
HLTAID003	Provide first aid	
MSMENV272	Participate in environmentally sustainable work practices	
MSL935004	Maintain instruments and equipment	
MSL973001	Perform basic tests	
MSL973002	Prepare working solutions	
MSL973004	Perform aseptic techniques	
MSL973007	Perform microscopic examination	
MSL973012	Assist with geotechnical site investigations	
CPPWMT4001A	Plan waste audit	
CPPWMT4002A	Carry out waste audit	

PSPRAD007	Monitor radiation	
PUAWER009B	Participate as a member of a workplace emergency initial response team	
TAEDEL301	Provide work skill instruction	

## Qualification Mapping Information

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## Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>