



Australian Government

MSL20122 Certificate II in Sampling and Measurement

Release 1

MSL20122 Certificate II in Sampling and Measurement

Modification History

Release 1. Supersedes and is equivalent to MSL20118 Certificate II in Sampling and Measurement. No change to total number of units. MSMENV272 moved from core to electives.

Qualification Description

This qualification reflects the role of workers who perform a range of sampling and measurement activities as part of laboratory, production or field operations in the construction, manufacturing, resources and environmental industry sectors. Job roles include samplers and testers, production personnel, plant operators, production operators, field assistants, drivers and sample couriers.

Samplers and testers conduct limited sampling and testing as part of their duties in a particular industry. They use a restricted range of skills and operational knowledge to perform tasks and do not generally work inside a laboratory. They:

- follow set procedures to sample raw materials and products
- may package, label, store and transport samples
- use simple equipment (hydrometers, thermometers and pH meters) to make measurements and perform basic tests that take a short time and involve a narrow range of variables and easily recognised control limits
- may make visual inspection of products and packaging.

In some industry sectors (for example, mineral assay) this work forms a whole job role.

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

Entry Requirements

Nil

Packaging Rules

Total number of units = 8

- **3** core units
- **5** elective units, consisting of:
 - at least 2 units from Group A
 - at least 1 additional unit from Group A or B
 - 2 units from the electives listed below or any endorsed Training Package or accredited course – these units must be relevant to the work outcome.

CORE UNITS

Unit code	Unit title	Prerequisites
MSL912002	Work within a laboratory or field workplace	
MSL922002	Record and present data	
MSL943004	Participate in laboratory or field workplace safety	

ELECTIVE UNITS

Group A

Unit code	Unit title	Prerequisites
MSL952003	Collect routine site samples	
MSL952004	Handle and transport samples or equipment	
MSL972002	Take routine site measurements	

Group B

Unit code	Unit title	Prerequisites
AMPCOR203	Comply with Quality Assurance and HACCP requirements	
BSBCMM211	Apply communication skills	
FBPFST4004	Perform microbiological procedures in the food industry	
HLTPAT006	Receive, prepare and dispatch pathology specimens (not to be selected with MSL953005)	
MSL913004	Plan and conduct laboratory/field work	
MSL933005	Maintain the laboratory/field workplace fit for purpose	
MSL933007	Apply critical control point requirements	
MSL933008	Perform calibration checks on equipment and assist with its maintenance (not to be selected	

	with MSL934008)	
MSL933009	Contribute to the achievement of quality objectives	
MSL934008	Maintain instruments and equipment (not to be selected with MSL933008)	
MSL943003	Work safely with instruments that emit ionising radiation	
MSL953004	Operate a robotic sample preparation system	
MSL953005	Receive and prepare samples for testing (not to be selected with HLTPAT006)	
MSL973015	Prepare culture media	
MSL973017	Assist with fieldwork	
MSL973018	Prepare trial batches for evaluation	
MSL973021	Conduct field-based acceptance tests for construction materials	
MSL973022	Conduct laboratory-based acceptance tests for construction materials	
MSL973023	Perform fire pouring techniques	
MSL973024	Perform site investigation activities	
MSL973025	Perform basic tests	
MSL973026	Prepare working solutions	
MSL973027	Perform techniques that prevent cross-contamination	
MSL973028	Perform microscopic examination	
MSL973029	Perform histological procedures	
MSMENV272	Participate in environmentally sustainable work practices	
MSMSUP301	Apply HACCP to the workplace	

Qualification Mapping Information

Supersedes and is equivalent to MSL20118 Certificate II in Sampling and Measurement.

Links

MSL Laboratory Operations Companion Volume Implementation Guide is available from VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5c63a03b-4a6b-4ae5-9560-1e3c5f462baa>