



Australian Government

**MSL60122 Advanced Diploma of
Laboratory Management**

Release 1

MSL60122 Advanced Diploma of Laboratory Management

Modification History

Release 1. Supersedes and is equivalent to MSL60118 Advanced Diploma of Laboratory Operations. Title change to reflect focus of the qualification. Total number of units reduced from 13 to 10. MSMENV472 removed from qualification. Electives list significantly reduced in number.

Qualification Description

This qualification reflects the role of workers who supervise and/or manage laboratory operations within a work area or project team. Job roles include laboratory supervisors, laboratory managers, senior technicians and similar personnel.

These individuals are generally responsible for the planning, coordination, quality assurance, recording and reporting of laboratory outputs within their section. This requires significant judgement about work sequences, and choice of appropriate technology and procedures to ensure that products and services meet customer expectations and are provided safely and efficiently in keeping with the enterprise business plan. Under broad direction from scientists/medical staff/engineers, they accept responsibility for the day-to-day operation of the work/functional area.

They are often responsible for the effective implementation of operational policies and the technical training of personnel in their work area. They also contribute significantly to the development of these policies through the application of specialised technical knowledge.

Work involves multiple and competing demands and frequent interruptions. Immediate decisions are often required. They must be adaptable to deal with the demands brought about by situations involving changes in technology, regularly changing priorities and the demands of clients, suppliers or contractors.

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

Entry Requirements

Entry to this qualification is open to individuals who:

- hold a Diploma of Laboratory Technology

OR

- hold a Diploma or higher-level qualification in a science, technology, engineering or mathematics (STEM) discipline

OR

- can provide evidence of technical laboratory and managerial or supervisory skills, knowledge and employment experience.

Packaging Rules

Total number of units = 10

- **6** core units
- **4** elective units, consisting of:
 - at least 2 from the electives listed below
 - 2 additional 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
MSL916011	Develop and maintain laboratory documentation	
MSL916012	Manage and develop teams	
MSL916013	Supervise laboratory operations in work or functional area	
MSL916014	Maintain compliance in work or functional area	
MSL936005	Maintain quality system and continuous improvement processes within work or functional area	
MSL946003	Implement and monitor WHS and environmental management systems	

ELECTIVE UNITS

Unit code	Unit title	Prerequisites
MSL915004	Schedule laboratory work for a small team	
MSL916015	Manage complex projects	
MSL924005	Process and interpret data	
MSL925005	Analyse measurements and estimate uncertainties	MSL924005 Process and interpret data

Unit code	Unit title	Prerequisites
		MSL925006 Analyse data and report results
MSL925006	Analyse data and report results	MSL924005 Process and interpret data
MSL936006	Conduct an internal audit of the quality system	
MSL954007	Obtain representative samples in accordance with sampling plan	
MSL973021	Conduct field-based acceptance tests for construction materials	
MSL974022	Undertake environmental field-based monitoring	
MSL975042	Design and supervise complex environmental field surveys	MSL974022 Undertake environmental field-based monitoring
MSL975059	Supervise sampling, inspections and testing at construction sites	MSL954007 Obtain representative samples in accordance with sampling plan MSL973021 Conduct field-based acceptance tests for construction materials
MSL976006	Evaluate and select appropriate test methods and/or procedures	
MSL977009	Validate test methods	MSL976006 Evaluate and select appropriate test methods and/or procedures
MSL977010	Contribute to the development of products or applications	
MSL977011	Troubleshoot equipment and/or production processes	
MSL977012	Develop or adapt analyses and procedures	MSL976006 Evaluate and select appropriate test

Unit code	Unit title	Prerequisites
		methods and/or procedures
MSMENV672	Develop workplace policy and procedures for environmental sustainability	

Qualification Mapping Information

Supersedes and is equivalent to MSL60118 Advanced Diploma of Laboratory Operations.

Links

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

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