This qualification is defined in the nationally endorsed cross-industry Laboratory Operations Training Package.

A Training Package links workplace competencies with qualifications under the Australian Qualifications Framework.

- Have your existing skills and knowledge recognised
- Gain a qualification or have a single competency recognised
- Contextualised to your workplace
- Flexible training delivery

Phone: (07) 3876 3177
Email: info@abconsulting.edu.au
Website: https://www.abconsulting.edu.au/
Business Address: Level 3/23A Graham St Milton, QLD 4064
Postal Address: PO Box 1161 Milton, QLD 4064
MSL 50116
Diploma of Laboratory Technology

This qualification covers the skills and knowledge required to apply a range of laboratory technologies to conduct scientific-technical tests and sampling in most industry sectors.

Employment outcomes targeted by this qualification include technical officers, laboratory technicians, analysts and similar personnel.

**Technical officers** conduct a wide range of sampling and testing that requires the application of broad scientific-technical knowledge and skills, with substantial depth in some areas. Although technical officers generally work in a laboratory, they often work closely with personnel in other teams within a section of the workplace.

They may liaise with suppliers to troubleshoot product non-conformance at the direction of laboratory supervisors or managers. They gather information on non-conformance and events that may lead to the modification of workplace procedures. They may also demonstrate methods to others and train them to collect samples and conduct basic tests reliably.

The work of technical officers involves frequent peak periods and interruptions. They:

- work according to established procedures in a structured environment
- collect and prepare samples and communicate sample requirements to other personnel
- conduct a wide range of routine and specialised tests where atypical samples may be involved and the instrumentation used has a wide range of operating variables
- contribute to the modification of standard operating procedures (SOPs) and enterprise methods when necessary
- define and solve problems where alternatives are not obvious and where investigations and trials may be required and the implications of various solutions considered
- work under the direction and supervision of senior technical staff, laboratory or quality managers, or scientific/medical professionals
- generally work as part of a team and may have a role in the planning of schedules and monitoring of resources in their work area.

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

Entry may be through:
- **fee–for–service**
MSL 50116
Diploma of Laboratory Technology

Program Structure
Refer to our unit selection form and competency unit summary booklets for further information on the program structure.

New features of the MSL training package

Because specialisation is a requirement in some industry sectors for the Certificate III, Alan Bartlett Consulting may choose to issue a generic qualification:

‘Diploma of Laboratory Technology’

or, where elective units of competency are packaged to suit a particular industry sector or specialisation, Alan Bartlett Consulting might issue a:

‘Diploma of Laboratory Technology (specialising in xxxxxxx)’*

Industry sector/specialisations could include, but are not limited to:

- biological testing
- biological and environmental testing
- biotechnology
- calibration
- chemical testing
- construction materials testing
- environmental monitoring
- food testing
- wine testing
- manufacturing testing
- mineral assay
- pathology testing

*It should be noted that a qualification with a specialisation does not change the title of the qualification, although Alan Bartlett Consulting may choose to record the specialisation. The VQF requirements must be complied with and the qualification or Statement of Attainment should clearly specify the units of competency achieved and where appropriate, the specialisation.
• **ABN:** 38 010 041 835  
• **ACN:** 010 041 835  
• **National RTO No:** 5800  

Registered to deliver training and issue qualifications from the following national training packages:

- Business Services
- Forest and Wood Products
- Foundation Skills
- Furnishing Services
- Laboratory Operations
- Manufactured Mineral Products
- Property Services
- Sport, Fitness and Recreation
- Tourism, Travel and Hospitality

in all states and territories of Australia.

<table>
<thead>
<tr>
<th></th>
<th>Cert II</th>
<th>Cert III</th>
<th>Cert IV</th>
<th>Diploma</th>
<th>Adv Diploma</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Services</strong></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Forest and Wood Products</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foundation Skills</strong></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Furnishing Services</strong></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td><strong>Laboratory Operations</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Manufactured Mineral Products</strong></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Property Services</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Sport, Fitness and Recreation</strong></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tourism, Travel and Hospitality</strong></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>