MSL 40116
Certificate IV in Laboratory Techniques

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

© Alan Bartlett Consulting Pty Ltd, May 2017
MSL 40116
Certificate IV in Laboratory Techniques

This qualification covers the skills and knowledge required to perform a range of laboratory
techniques to conduct tests and sampling in a variety of industry sectors.

Employment outcomes targeted by this qualification include technical assistants, technicians,
instrument operators and similar personnel.

**Technical assistants** undertake a wide range of sampling and testing that requires the
application of a broad range of technical skills and some scientific knowledge. Although technical
assistants generally work in a laboratory, they often work closely with other personnel throughout
the workplace and with suppliers. They may assist other personnel to solve technical problems
and to adjust formulations and production mixes. They may also train them to collect samples
and conduct basic tests reliably.

The work of technical assistants involves similar tasks within one scientific discipline with
occasional peak periods and some interruptions. They:

- work according to established procedures in a structured environment
- collect and prepare samples
- conduct a wide range of basic tests and a limited range of specialised tests and measurements
  using manual, semi-automated and fully automated techniques
- define and solve problems of limited complexity where the information available is less obvious,
  but not contradictory, and can be determined by direct reasoning
- work under the direction and regular supervision of senior technical staff, laboratory or quality
  managers, or scientific/medical personnel. The work of technical assistants is normally subject
to frequent progress and quality checks
- generally work in a team and may have responsibility for their own work outputs.

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.

The nominal duration of the training program is up to 36 months*, although with recognition of
current competency and self-paced learning, it can be completed appreciably sooner.

*Nominal durations may vary through state and territory arrangements. Please refer to the state
arrangements for the state or territory for which you intend to participate in your course.

Entry may be through:

- a new start traineeship*
  *(in Queensland, this is funded through the User Choice Program by the Department of Education,
    Training and Employment)*
  *(in NSW This training is funded by the NSW Government in partnership with the Commonwealth
    Government)*
  *(in ACT This training is funded by the ACT Government in partnership with the Commonwealth
    Government)*
  *(in NT This training is funded by the NT Government in partnership with the Commonwealth
    Government)*
  *(in TAS this training is funded by Skills Tasmania)*

- fee–for–service

© Alan Bartlett Consulting Pty Ltd, May 2017
MSL 40116
Certificate IV in Laboratory Techniques

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 IV, Alan Bartlett Consulting may choose to issue a generic qualification:

‘Certificate IV in Laboratory Techniques’

*or*, where elective units of competency are packaged to suit a particular industry sector or specialisation, it may be more appropriate to issue a:

‘Certificate IV in Laboratory Techniques (specialising in xxxxxxx)’*

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

- biological testing
- chemical testing
- construction materials testing
- environmental monitoring
- food testing
- wine testing
- manufacturing testing
- mineral assay
- pathology testing
- scientific glassblowing

*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.

© Alan Bartlett Consulting Pty Ltd, May 2017
• **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>