

PML 30104

Certificate III in Laboratory Skills



This qualification is defined in the nationally endorsed cross industry Laboratory Operations Training Package (PML 04).

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

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PML 30104

Certificate III in Laboratory Skills

This is the **entry qualification** for those wishing to follow a career in sampling and testing.

The nominal duration of the training program is up to **24 months**, although with recognition of current competency and self-paced learning, it can be completed appreciably sooner.

Graduates will be able to progress through a career path to the appropriate level of employment, as technical assistants, laboratory technicians, and technologists.

Laboratory assistants perform straightforward sampling and testing. They follow set procedures and recipes, and apply well developed technical skills and basic scientific knowledge. They generally work inside a laboratory but may also perform technical tasks in the field or within production plants. They may also perform a range of laboratory maintenance and office tasks.

The majority of their work involves a predictable flow of parallel or similar tasks within one scientific discipline.

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 the Arts)
- an **existing worker traineeship**
- **Fee—for—service**
- **Productivity places program**

Programme Structure – 12 units of competency:

Five compulsory core units:

PMLCOM300B Communicate with other people

PMLDATA200A Record and present data

PMLOHS302A Participate in laboratory/field workplace safety

PMLORG301A Plan and conduct laboratory/field work

PMLQUAL300B Contribute to the achievement of quality objectives

Plus seven elective units

The elective units must include:

- ◆ a minimum of four (4) units from the PML 300 series units, including at least one (1) of the PMLTEST300 series units
- ◆ a maximum of two (2) units from the PML 200 series
- ◆ a maximum of two (2) units from the PML 400 series
- ◆ a maximum of two (2) relevant units from other endorsed Training Packages.

Units may be selected from:

PMLORG200A Work within a laboratory/field workplace (induction)

PMLSAMP200A Collect routine site samples

PMLSAMP201A Handle and transport samples or equipment

PMLTEST200A Conduct routine site measurements

PMLMAIN300B Maintain the laboratory fit for purpose

PMLOHS301B Work safely with instruments that emit ionising radiation

PMLQUAL301B Apply critical control point requirements

PMLSAMP302A Receive and prepare samples for testing

PMLMAIN400A Maintain and control stocks

PMLQUAL400B Contribute to the ongoing development of HACCP plans

PMLTEST300B Perform basic tests

PMLTEST303B Prepare working solutions

PMLTEST304B Prepare culture media

PMLTEST305B Perform aseptic techniques

PMLTEST306B Assist with fieldwork

PMLTEST307B Prepare trial batches for evaluation

PMLTEST308A Perform microscopic examination

PMLTEST310A Perform histological techniques

PMLCAL400A Perform standard calibrations

PMLDATA400A Process and interpret data

PMLOHS400A Maintain laboratory/field workplace safety

PMLORG400A Prepare practical science classes and demonstrations

PMLQUAL401B Apply quality system and continuous improvement processes

PMLSAMP400B Obtain representative samples in accordance with sampling plan

PMLSAMP401A Prepare mineral samples for analysis

PMLTEST402B Prepare, standardise and use solutions

PMLTEST403B Assist with geotechnical site investigations

PMLTEST404A Perform chemical tests and procedures

PMLTEST405A Perform food tests

(Prerequisite: PMLTEST308A)

PMLTEST406A Perform physical tests

PMLTEST407A Perform biological procedures

(Prerequisites: PMLTEST305B and PMLTEST308A)

PMLTEST408A Undertake environmental field based monitoring

PMLTEST409A Capture and manage scientific images

PMLTEST411A Perform mechanical tests

PMLTEST412A Prepare tissue and cell cultures

(Prerequisite: PMLTEST305B)

Other units may be available, subject to demand.

Alan Bartlett Consulting

Vocational Education & Training Specialists

- ◆ ABN 38 010 041 835
- ◆ ACN 010 041 835
- ◆ National RTO No 105800
- ◆ Registered to deliver training and issue qualifications from the following national training packages:
 - ◆ PMA 02 Chemicals, Hydrocarbons & Oil Refining
 - ◆ PMC 04 Manufactured Mineral Products
 - ◆ PML 04 Laboratory Operations
 - ◆ BSB 07 Business Services
 in all states and territories of Australia.
- ◆ Corporate Member Association of Geotechnical Testing Authorities

	Cert. I	Cert. II	Cert. III	Cert. IV	Diploma	Advanced Diploma
Laboratory Operations		✓	✓	✓	✓	✓
Chemical, Hydrocarbons & Oil Refining	✓	✓	✓	✓		
Manufactured Mineral Products	✓	✓	✓	✓		
Business Services				✓		

