

PMA 2 01 08

Certificate II in Process Plant Operations



These qualifications are defined in the nationally endorsed Chemical, Hydrocarbons and Oil Refining Training Package (PMA 08).

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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PMA 2 01 08

Certificate II in Process Plant Operations

This is the **entry** traineeship for those wishing to follow a career in the chemical processing industry.

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This qualification is suitable for operators with a basic level of autonomy, maintaining the plant, making manual changes to the process and handling stocks and products.

The nominal duration of the training programme 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 Chemical Plant Operators or Process Plant Technicians.

Entry can be through a:

- Productivity Places Program (Job Seekers)
- an **existing worker traineeship**
- **fee- for- service**

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Five compulsory core units:

- MSAPMOHS110A Follow emergency response procedures
- MSAPMSUP100A Apply workplace procedures
- MSAPMSUP102A Communicate in the workplace
- MSAPMSUP172A Identify and minimise environmental hazards
- MSAPMOHS200A Work safely

Select at least four units from this list::

- MSAPMOPS200A Operate equipment
- PMAOPS201B Operate fluid flow equipment
- PMAOPS202B Operate fluid mixing equipment
- PMAOPS203B Handle goods
- PMAOPS204B Use utilities and services
- PMAOPS205B Operate heat exchangers
- PMAOPS206B Operate separation equipment
- PMAOPS207B Operate powered separation equipment
- PMAOPS208B Operate chemical separation equipment
- PMAOPS210B Operate particulates handling equipment
- PMAOPS211B Operate manufacturing extruders
- MSAPMOPS212A Use enterprise computers or data systems
- PMAOPS213B Package product/ material
- PMAOPS216B Operate local control system
- PMAOPS217B Operate wet milling equipment
- PMAOPS220B Monitor chemical reactions in the process
- PMAOPS221B Operate and monitor prime movers
- PMAOPS222B Operate and monitor pumping systems and equipment
- PMAOPS223B Operate and monitor valve systems
- PMAOPS224B Provide fluids for utilities and support
- PMAOPS230B Monitor, operate and maintain pipeline stations and equipment
- PMAOPS231B Control gas odourisation
- PMAOPS232B Produce product by filtration
- PMAOPS240B Store liquids in bulk
- PMASMELT260B Form carbon anodes
- PMASMELT261B Bake carbon anodes
- PMASMELT262B Clean and strip anode rods
- PMASMELT263B Spray carbon anodes
- PMASMELT264B Start up reduction cells
- PMASMELT265B Operate reduction cells
- PMASMELT266B Deliver molten metal
- PMASMELT267B Cast aluminium ingots
- PMASMELT268B Vertical direct casting
- PMASMELT269A Operate cell tending equipment
- PMASMELT270A Supply product from reduction cells
- PMAOPS280A Interpret process plant schematics
- PMAOPS290B Operate a biotreater
- FDFPHGMP2B Implement Good Manufacturing Practice procedures
- UEPOPS319A Operate and monitor gas production plant

Select the balance of units (up to seven) from Groups 3A and 3B below, with a maximum of five from Group 3B.

Group 3A

- MSAPMOHS205A Control minor incidents
- MSAPMOHS210B Undertake first response to non-fire incidents
- PMAOHS211B Prepare equipment for emergency response
- MSAPMOHS212A Undertake first response to fire incidents
- PMAOHS213B Undertake fire control and emergency rescue
- PMAOHS214B Undertake helicopter safety and escape
- PMAOHS215B Apply offshore facility abandonment and sea survival procedures
- MSAPMOHS216A Operate breathing apparatus
- MSAPMOHS217A Gas test atmospheres
- MSAPMOHS220A Provide initial First Aid response
- PMAOHS221B Maintain first aid supplies and records
- PMAOMIR210A Control evacuation to muster point
- MSAPMPER200B Work in accordance with an issued permit
- MSAPMPER201A Monitor and control work permits
- MSAPMPER202A Observe permit work
- MSAPMPER205B Enter confined space
- MSAPMSUP200A Achieve work outcomes
- MSAPMSUP201A Receive or dispatch goods
- MSAPMSUP204A Pack products or materials
- MSAPMSUP205A Transfer loads
- MSAPMSUP210A Process and record information
- PMASUP236B Operate vehicles in the field
- PMASUP237B Undertake crane, dogging and load transfer operations
- MSAPMSUP240A Undertake minor maintenance
- PMASUP241B Maintain pipeline easements
- PMASUP242B Monitor pipeline civil works
- PMASUP243B Monitor and maintain pipeline coatings
- MSAPMSUP280A Manage conflict at work
- MSAPMSUP291A Participate in continuous improvement
- MSAPMSUP292A Sample and test materials and product
- PMLSAMP200A Collect routine site samples
- MSACMS201A Sustain process improvements
- MSACMT230A Apply cost factors to work practices
- MSACMT231A Interpret product costs in terms of customer requirements
- MSACMT240A Apply 5S procedures in a manufacturing environment
- MSACMT250A Monitor process capability
- MSACMT251A Apply quality standards
- MSACMT260A Use planning software systems in manufacturing

- MSACMT270A Use sustainable energy practices
- MSACMT271A Use sustainable environmental practices
- MSACMT280A Undertake root cause analysis
- MSACMT281A Contribute to the application of a proactive maintenance strategy
- MNMC205A Conduct local risk assessment
- MNMG237A Work safely at heights
- MSAENV272A Participate in environmentally sustainable work practices
- MEM05012C Perform routine manual metal arc welding
- MEM09002B Interpret technical drawing
- MEM16005A Operate as a team member to conduct manufacturing, engineering or related activities
- TLID1007C Operate a forklift

Group 3B

- MSAPMOHS100A Follow OHS procedures
- MSAPMSUP101A Clean workplace or equipment
- MSAPMSUP106A Work in a team
- MEM11011B Undertake manual handling
- MSAPMOPS100A Use equipment
- PMAOPS101C Read dials and indicators
- MSAPMOPS102A Perform tasks to support production
- PMAOPS105C Select and prepare materials
- FDFPHGMP1A Follow work procedures to maintain Good Manufacturing Practice

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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 08 Chemicals, Hydrocarbons & Oil Refining
 - ◆ PMC 04 Manufactured Mineral Products
 - ◆ PML 04 Laboratory Operations
 - ◆ BSB 07 Business Services
- ◆ 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				✓	✓	

