

PMA 3 01 08

Certificate III 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 3 01 08

Certificate III in Process Plant Operations

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This qualification is suitable for more senior operators, operating a control panel looking after a sizeable part of the plant, responsible for outside operators, workplace assessors/trainers and quality inspectors.

Entry can be through a:

- a **new-start traineeship** (in Queensland, this is funded through the User Choice Program by the Department of Education and Training)
- an **existing worker traineeship**
- **fee-for-service**

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 two units from this list:

- PMAOPS300B Operate a production unit
- PMAOPS301B Produce product by distillation (P)
- PMAOPS302B Operate reactors and reaction equipment
- PMAOPS303B Operate furnaces to induce reaction
- PMAOPS304B Operate and monitor compressor systems and equipment (P)
- PMAOPS305B Operate process control systems
- PMAOPS307B Transfer bulk fluids into/out of storage facility (P)
- PMAOPS308B Organise storage and logistics of general materials
- PMAOPS309B Operate particulates handling/ storage equipment
- PMAOPS312B Undertake ship loading/ unloading operations
- PMAOPS319A Adjust batch
- PMAOPS320B Conduct artificial lift
- PMAOPS321B Undertake well management
- PMAOPS323A Operate and monitor heating furnace
- PMAOPS324A Operate a gas turbine
- PMAOPS325B Generate electrical power
- PMAOPS326B Produce product using gas absorption
- PMAOPS327B Produce product using fixed bed dehydration
- PMAOPS329B Produce product using liquid extraction
- PMAOPS330B Communicate pipeline control centre operations
- PMAOPS335A Conduct pipeline pigging
- PMAOPS340B Operate cryogenic processes
- PMAOPS350B Match and adjust colour
- PMAOPS390B Operate a biochemical process
- FDFPHGMP2B Monitor the implementation of Good Manufacturing Practise procedures
- MEM07033B Operate and monitor basic boiler
- MEM07034A Operate and monitor intermediate class boiler (P)
- MEM18011C Shutdown and isolate machines/ equipment
- UEPOPS340A Operate and monitor a steam turbine

Select the balance of units (up to 14) from Groups 3A and 3B below, with a maximum of 12 from Group 3B.

Group 3A

- MSAPMOHS300A Facilitate the implementation of OHS for a work group
- PMAOHS310B Investigate incidents
- PMAOHS311B Lead emergency teams
- PMAOHS312B Command the operation of survival craft (P)
- PMAOHS320C Provide advanced first aid response (P)
- PMAOHS321B Provide First Aid response in remote and/or isolated area (P)
- PMAOMIR301B Undertake initial rescue (P)
- PMAOMIR302B Respond to a helideck incident
- PMAOMIR317B Facilitate search and rescue operations
- PMAOMIR320B Manage incident response information
- PMAOMIR321B Manage communication systems during an incident
- PMAOMIR346B Assess and secure an incident site
- MSAPMPER300B Issue work permits (P)
- MSAPMSUP300A Identify and implement opportunities to maximise production efficiencies
- MSAPMSUP301A Apply HACCP to the workplace
- MSAPMSUP303A Identify equipment faults
- PMASUP305A Operate offshore cranes
- MSAPMSUP309A Maintain and organise workplace records
- MSAPMSUP310A Contribute to development of plant documentation
- PMASUP311A Operate communications hub
- MSAPMSUP330A Develop and adjust a production schedule
- PMASUP341B Monitor and maintain instrument and control systems (P)
- PMASUP342B Monitor and maintain electrical systems (P)
- PMASUP343B Monitor and maintain cathodic protection systems
- PMASUP344B Monitor and control repairs and modifications on operational pipe
- PMASUP345A Monitor vibration
- PMASUP346A Control corrosion
- PMASUP347A Undertake corrosion inspection in a petrochemical environment
- MSAPMSUP382A Provide coaching/ mentoring in the workplace
- MSAPMSUP383A Facilitate a team
- MSAPMSUP390A Use structured problem solving tools
- PMLTEST300B Perform basic tests

Programme Structure – 21 units of competency:

- MEM09003B Prepare basic engineering drawing (P)
 - PSPGOV308B Work effectively with diversity
 - PUAFIR306A Render hazardous materials safe
 - PUASAR003A Undertake technical rescue
 - PUASAR004A Undertake vertical rescue
 - PUASAR005A Undertake Confined Space Rescue
 - TAAASS301A Contribute to assessment
 - TAADEL301A Provide training through instruction and demonstration of work skills
- Group 3B*
- 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 despatch goods
 - MSAPMSUP204A Pack products or materials
 - MSAPMSUP205A Transfer loads
 - MSAPMSUP210A Process and record information
 - PMSUP236B Operate vehicles in the field
 - PMSUP237B Undertake crane, dogging and load transfer operations
 - MSAPMSUP240A Undertake minor maintenance
 - PMSUP241B Maintain pipeline easements
 - PMSUP242B Monitor pipeline civil works
 - PMSUP243B 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 practises
 - 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 practises
 - MSACMT271A Use sustainable environmental practises
 - 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 practises
 - 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
 - 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 (P)
 - 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
 - FDFPHGMP2A Implement Good Manufacturing Practise procedures
 - UEPOPS319A Operate and monitor gas production plant
 - 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				✓	✓	

