

## PMA40116 Certificate IV in Process Plant Technology

This qualification is applicable to general manufacturing, basic assembly lines and jobbing shops.

This qualification is designed to be delivered in larger more sophisticated companies that have well developed and systematic induction programs, high-level safety systems and a leadership that understands and supports continuous improvement, safe work practices, and environmental responsibilities. Training and assessment is delivered in the workplace to employees where there is a need to learn and implement improvement processes across the entire organisation.

The qualification is normally only offered in conjunction with MSM40116 Certificate IV in Process Manufacturing.

### PMA40116/ MSS40116 Dual Qualification Cohort

All participants should be currently employed in supervisory positions in a manufacturing company, or are in development to be upskilled or promoted to a supervisory position.

This program is designed to be delivered in larger more sophisticated companies that have well developed and systematic induction programs, high-level safety systems and a leadership that understands and supports continuous improvement, safe work practices, environmental responsibilities

This qualification is suitable for employees in advanced technical operations in manufacturing plants working with process plants such as chemicals and injection moulding. Typically, process plant experience will be in job roles such as:

- Plant Managers
- Superintendents
- Workplace Health and Safety
- Maintenance (with a trade qualification)
- Specialist Field Operations staff

This qualification assumes that a learner has current or past work experience where operational or technical skills have already been gained and a supervisory or similar level of responsibility exists. This qualification is not suitable for direct entry from school

### Entry Requirements PMA40116 – Certificate IV in Process Plant Technology

There are no mandated prerequisite qualification requirements for entry into the Certificate IV in Process Plant Technology. However, National Training Services offers these qualifications as a work based training and assessment program. Participants must be employed in a suitable manufacturing company and need to have the support of their employer to undertake the training and assessment program over a period of approximately 14 months. Suitability is determined by identifying if applicants fit the cohort job roles criteria outlined below.

The PMA40116 qualification outlined in this Training and Assessment Strategy is suitable for plant technicians and operations technicians who will typically be involved in solving complex problems which require theoretical knowledge, combined with an understanding of the production process and equipment across the plant.

This qualification is typically used to develop employees performing a technical role that includes an ability to work independently and conduct technical problem solving according to the needs of the work in the chemical, hydrocarbons and refining industries.

Other non-technical Certificate IV qualifications are available for production support employees at this level, such as MSM40116 Certificate IV in Process Manufacturing.

This qualification assumes that a learner has current or past work experience where operational or technical skills have already been gained and a supervisory or similar level of responsibility exists. This qualification is not suitable for direct entry from school.

The usual duration for this program is 14 months.

### Completion Requirements PMA40116 – Certificate IV in Process Plant Technology

Twenty-six units have to be completed. The 26 units are comprised of:

- Five core units of competency
- Twenty-one elective units of competency, as specified below:
  - A minimum of one of the twenty-one elective units must be from the Group A elective list for the qualification
  - The balance of twenty elective units of competency may be selected in any combination from Group A, units; Group B units and Group C units listed in the qualification packaging rules.
  - A maximum of 18 of the 21 elective units can be selected from Group C.
  - Up to five relevant units may be chosen from this Training Package, other endorsed Training Packages and accredited courses where those units are packaged in a Certificate II (4 maximum), III (4 maximum), IV (5 maximum) or Diploma (1 maximum)

### Time commitment

All requirements for the course are undertaken in the workplace. Time release from usual work duties is negotiated with the employer by the trainer. Training and assessment activities undertaken in the workplace include:

- Training sessions
- Project planning, implementation and presentation
- Skills development

### Assessment

Assessment consists of written or verbal assessment of understanding of competitive systems and practices techniques and tools; workplace observation by the trainer; and project presentations reviewed by the trainer and workplace management.

### Pathway

To PMA50116 Diploma of Process Plant Technology

### Government Funding

National Training Services (RTO21254) can access State government funding for this qualification through the Skills first funding program. To enquire about your eligibility for State Government funding contact National Training Services on 03 9988 7948 during office hours.

### Tuition Fees

Students who are eligible for Victorian Skills First Funding will pay no tuition fees. Students not eligible for Victorian Skills First Funding may be required to pay a fee. Contact National Training Services on 03 9988 7948 during office hours for more details.

### PMA40116 Certificate IV in Process Plant Technology Structure

Code	Name of Unit/Module	Core / elective
MSMENV272	Participate in environmentally sustainable work practices	Core
MSMSUP100	Apply workplace context to own job	Core
MSMSUP102	Communicate in the workplace	Core
MSMWHS110	Follow emergency response procedures	Core
MSMWHS200	Work safely	Core
MSMSUP291	Participate in continuous improvement	Elective
MSMSUP300	Identify and apply process improvements	Elective
MSMSUP404	Coordinate maintenance	Elective
MSMSUP405	Identify problems in fluid power system	Elective
MSMWHS400	Contribute to WHS management system	Elective
MSMWHS401	Assess risk	Elective
PMAOMIR407	Audit incident preparedness and established response system	Elective
PMAOPS201	Operate fluid flow equipment	Elective
PMAOPS208	Operate chemical separation equipment	Elective
PMAOPS216	Operate local control system	Elective
PMAOPS300	Operate a production unit	Elective
PMAOPS305	Operate process control systems	Elective
PMAOPS307	Transfer bulk fluids into/out of storage facility	Elective
PMAOPS309	Operate solids handling/storage facility	Elective
PMAOPS319	Adjust batch	Elective
PMAOPS350	Match and adjust colour	Elective
PMAOPS450	Solve colour problems	Elective
PMAOPS500	Optimise production systems	Elective
PMASUP345	Monitor vibration	Elective
PMASUP410	Develop plant documentation	Elective
PMASUP420	Minimise environmental impact of process	Elective

### National Training Services RTO 21254 Student Information

#### Who are we?

National Training Services RTO 21254 is a Registered Training Organisation (RTO) regulated by the Australian Skills Qualification Authority.

National Training Services RTO 21254 works to provide recognition of the training and assessment they provide, award Nationally Recognised certification and maintain the records and documentation required by State and Federal Government regulatory and funding authorities.

National Training Services RTO 21254 has a range of qualifications on its Scope of Registration. Part of its offering includes Nationally Recognised Qualifications in the manufacturing industry.

National Training Services RTO 21254 provides the following manufacturing industry qualifications:

- MSM40116 Certificate IV in Process Manufacturing
- MSS30316 Certificate III in Competitive Systems and Practices
- MSS40316 Certificate IV in Competitive Systems and Practices
- PMA30116 Certificate III in Process Plant Operations

- PMA40116 Certificate IV in Process Plant Technology

## **Where does National Training Services RTO 21254 teach its manufacturing industry courses?**

National Training Services RTO 21254 delivers and assess manufacturing industry courses in the workplace and in employer training facilities.

## **What learning resources and assessment tools are used?**

The learning material is industry based content. Prepared by a third party to National Training Services RTO 21254 specifications. National Training Services adapts the learning and assessment material by consulting with employer and validating all assessments undertaken by students.

## **Recognition for previous learning**

National Training Services RTO 21254 offers Credit Transfer and Recognition of Prior Learning for previous study or learning to all students. This is discussed during your pre-training review and if applicable National Training Services RTO 21254 staff will assist you to make an application.

Students wanting to apply for Credit Transfer and Recognition of Prior Learning for previous study or learning must bring certified copies of all relevant qualifications, transcripts and statements of attainment to their interview and provide a copy of a signed and up to date employment resume to the interviewer.

## **What do you receive at the end of your study?**

If you complete your course, you will receive a Nationally Recognised Qualification. If you partially complete your course, you will receive a Statement of Attainment for the units you complete. In both cases, these certificates can be used for Recognition of Prior Learning or Credit Transfer applications with other registered training organisations and TAFE Institutes. If you choose to study a higher qualification at another Registered Training Organisation (RTO) then credit transfer can be used toward the qualification.

## **Who are your teachers?**

National Training Services RTO 21254 sources and employs professionals who hold the relevant manufacturing qualifications and current industry skills and competencies. The combination of manufacturing industry expertise with the relevant skills and qualifications, offers our students the best in education and training.

## **Complaints and Appeals**

The NTS Complaints and Appeals procedure can be viewed at [NTS Compliance Information](#)

## **Brokering Arrangements**

National Training Services has appointed a broker to identify and negotiate with workplaces wishing to undertake this training. Details of the broker are on the National Training Services website on the Compliance page. [National Training Services Brokers List](#).

## **More Information**

For more information about your enrolment with National Training Services RTO 21254, please contact us on (03) 9988 7949 or email your questions and queries to [info@nationaltrainingservices.edu.au](mailto:info@nationaltrainingservices.edu.au)