

MSM40116 Certificate IV in Process Manufacturing

This qualification is applicable to general manufacturing, basic assembly lines and jobbing shops. 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 offered in conjunction with one of two other qualifications depending on the requirements of each company and its workforce. The two qualifications offered in conjunction with MSM40116 Certificate IV in Process Manufacturing are:

MSS40316 Certificate IV in Competitive Systems and Practices, or
PMA40116 Certificate IV in Process Plant Technology

MSM40116/MSS40316 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 suitable for manufacturing employees with significant experience of 5 years and over who can lead projects and work unsupervised in their job roles: Typically, this cohort will have general manufacturing experience and hold senior job roles in the following fields:

- Operations
- Research and Development
- Engineering
- Planning
- Laboratory Technology
- Procurement
- Supervisory/Leading Hand/Leadership roles

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.

MSS40116/PMA40116 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 - MSM40116 Certificate IV in Process Manufacturing

There are no mandated prerequisite qualification requirements for entry into the Certificate IV in Process Manufacturing. 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 criteria outlined below.

The MSM40116 qualification outlined in this Training and Assessment Strategy is suitable for:

- Advanced production workers who use a range of equipment and are involved in solving complex problems that require theoretical knowledge, combined with an understanding of operating procedures directly related to producing products; or
- Advanced production workers who operate across more than one category within process manufacturing or other product conversion processes in manufacturing

This program is not suitable for new entrants to the manufacturing industry who have no previous training or experience in manufacturing.

The usual duration for this program is 14 months.

Completion Requirements - MSM40116 Certificate IV in Process Manufacturing

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 4 of the 21 elective units must be from the Group A elective list for the qualification
 - The balance of elective units, to a maximum of seventeen, may be selected from the Group A, B or C elective lists for the qualification
 - A maximum of 11 elective units can be selected from the Group C elective list for the qualification.

- Up to 9 elective units may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in the qualification packaging rules.
- Where prerequisite units are identified, they must be counted in the total number of units required for achievement of the qualification.

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 MSM50316 Diploma of Production Management

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.

MSM40116 Certificate IV in Process Manufacturing Structure.

Code	Name of Unit/Module	Core / elective
MSMENV272	Participate in environmentally sustainable work practices	Core
MSMSUP200	Achieve work outcomes	Core
MSMSUP210	Process and record information	Core
MSMWHS200	Work safely	Core
MSS402051	Apply quality standards	Core
BSBINN301	Promote innovation in a team environment	Elective
BSBLDR403	Lead team effectiveness	Elective
BSBMGT401	Show leadership in the workplace	Elective
BSBMGT402	Implement operational plan	Elective
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements	Elective
MSMOPS200	Operate Equipment	Elective
MSMOPS400	Optimise process/plant area	Elective
MSMSUP303	Identify equipment faults	Elective
MSMSUP383	Facilitate a team	Elective
MSMSUP390	Use structured problem solving tools	Elective
MSMSUP400	Develop and monitor quality systems	Elective
MSMWHS100	Follow WHS procedures	Elective
MSS403011	Facilitate implementation of competitive systems and practices	Elective
MSS403013	Lead team culture improvement	Elective
MSS403040	Facilitate and improve implementation of 5S	Elective
MSS403041	Facilitate breakthrough improvements	Elective
MSS404052	Apply statistics to operational processes	Elective
MSS404081	Undertake proactive maintenance analyses	Elective
PMAOPS402	Respond to abnormal process situations	Elective

Code	Name of Unit/Module	Core / elective
PMAOPS405	Operate complex control systems	Elective
PMBTECH406	Diagnose production equipment problems	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