Australian Government

MSA20107 Certificate II in Process Manufacturing

Release 4

MSA20107 Certificate II in Process Manufacturing

Modification History

Release 5 - Imported unit code updated to current release
Release 4 - Imported unit code updated.
Release 3 - MSACM units replaced by MSS units from MSS11v2 Sustainability Training Package.
Release 2 - Imported unit codes updated.

Description

The Certificate II in Process Manufacturing is intended for competent production workers who undertake vital production support roles directly related to producing products. The production worker would apply a breadth and depth of knowledge to a defined range of situations and would be expected to apply this knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

This qualification has been developed for use across the three process manufacturing sectors:

- chemical, hydrocarbons and refining
- plastics, rubber and cablemaking
- manufactured mineral products.

Licensing considerations

There are no specific licenses that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY
MSA20107 Certificate II in Process Manufacturing The following table contains a summary of the Employability Skills required by the process manufacturing industries for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options. Due to the high proportion of electives required by this qualification, the industry/enterprise requirements described for each Employability Skill are representative of the industry in general and may not reflect specific job roles. Learning and assessment strategies for this qualification should be based on the requirements of the units of competency for this qualification.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• complete logs, reports and plant documentation • access and interpret production plans and information • provide appropriate workplace information • give and follow routine instructions • provide written and oral reports
Teamwork	• work as part of a team • identify and describe own role and role of others • identify own role and responsibility within a team
Problem solving	• recognise known faults that occur during the operation • identify and take action on causes of routine faults • identify non-routine process and quality problems and take appropriate action • respond to routine problems
Initiative and enterprise	• suggest improvements • make adjustments to improve equipment performance • determine problems needing action • report problems outside area of responsibility • raise questions regarding requirements and expectations • distinguish between causes of faults • identify product out of specification • safely shutdown equipment in abnormal circumstances
Planning and organising	• plan own work • achieve production targets • identify production targets • recognise hazards and follow appropriate hazard control methods

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Self-management	• identify work requirements • plan own work requirements from production requests • operate within appropriate time constraints and work standards • select and use appropriate equipment, materials, processes and procedures • identify task outcomes and work role
Learning	• ask questions to gain information • seek clarification • participate in improvement procedures
Technology	• check process is operating within required limits • monitor equipment operation • use appropriate instruments • monitor and adjust machine functions • use forklift controls, instruments and indicators • carry out pre-operational checks on equipment

Packaging Rules

Packaging Rules

To be awarded the Certificate II in Process Manufacturing, competency must be achieved in **fourteen** (**14**) units of competency:

- **three** (**3**) core units of competency
- **eleven** (**11**) elective units of competency, four (4) of which can be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

Note: Units marked with an asterisk have one or more prerequisite requirements. The prerequisites for these units are to be counted in the total number of units required in the elective group. Please refer to individual units for details.

Core units of competency

- Complete all **three** (**3**) units of competency from this list.

Unit code	Unit title
MSAENV272B	Participate in environmentally sustainable work practices

Unit code	Unit title
MSAPMOHS200A	Work safely
MSAPMSUP210A	Process and record information

Group A - Elective units

- Select a minimum of **eleven** (**11**) units of competency from the following list.

Support units		
Unit code	Unit title	Prerequisites
LMTGN2008B	Coordinate work of team/section	
MEM13003B	Work safely with industrial chemicals and materials	
MEM16006A	Organise and communicate information	
MEM16007A	Work with others in a manufacturing, engineering or related environment	
MEM16008A	Interact with computing technology	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time (JIT) procedures	
MSS402030A	Apply cost factors to work practices	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402051A	Apply quality standards	
MSS402060A	Use planning software systems in operations	
MSS402080A	Undertake root cause analysis	

Support units		
MSAPMOHS100A	Follow OHS procedures	
MSAPMOHS110A	Follow emergency response procedures	
MSAPMOHS205A	Control minor incidents	
MSAPMOHS210B	Undertake first response to non-fire incidents	
MSAPMOHS212A	Undertake first response to fire incidents	
MSAPMOHS216A	Operate breathing apparatus	
MSAPMOHS217A	Gas test atmospheres	
MSAPMOHS220A	Provide initial first aid response	
MSAPMOPS100A	Use equipment	
MSAPMOPS101A	Make measurements	
MSAPMOPS102A	Perform tasks to support production	
MSAPMPER200C	Work in accordance with an issued permit	
MSAPMPER201A	Monitor and control work permits	
MSAPMPER202A	Observe permit work	*
MSAPMPER205C	Enter confined space	*
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP102A	Communicate in the workplace	
MSAPMSUP106A	Work in a team	
MSAPMSUP172A	Identify and minimise environmental hazards	
MSAPMSUP201A	Receive or despatch goods	
MSAPMSUP200A	Achieve work outcomes	
MSAPMSUP204A	Pack products or materials	
MSAPMSUP205A	Transfer loads	

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Support units		
MSAPMSUP230A	Monitor process operations	
MSAPMSUP240A	Undertake minor maintenance	
MSAPMSUP273A	Handle goods	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSAPMSUP292A	Sample and test materials and product	
PMBHAN103C	Shift materials safely by hand	
TLID2010A	Operate a forklift	
RIIRIS201B	Conduct local risk control	
Technical units		
FPICOT2238A	Cut materials with a hand-held chainsaw	
MSAPMOPS200A	Operate equipment	
MSAPMOPS212A	Use enterprise computers or data systems	
A maximum of four (4) relevant units may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate II or III. Note: a maximum of two (2) units may be chosen from Certificate III.		