Australian Government

MSM30116 Certificate III in Process Manufacturing

Release 8

MSM30116 Certificate III in Process Manufacturing

Modification History

Release 8. Update to first aid elective unit. Equivalent

Release 7. Two low use units removed from elective bank as determined at December 2020 AISC meeting in response to Skills Ministers' objectives.

Release 6. Imported units updated to current versions. Equivalent.

Release 5. Minor adjustment to elective units. Equivalent.

Release 4. Minor adjustment to elective units. Equivalent.

Release 3. Addition of 6 units to Group B electives.

Release 2. Minor adjustment to Packaging Rules statement in Group B units. Imported units updated to current versions.   Equivalent.

Release 1. Units updated. Supersedes and is equivalent to MSA30107 Certificate III in Process Manufacturing.

Qualification Description

The MSM30116 Certificate III in Process Manufacturing provides the competencies required by advanced production workers who use a range of equipment and provide support functions directly related to producing products. They would undertake more advanced roles than workers with a Certificate II in Process Manufacturing, working in accordance with operating procedures and applying knowledge to anticipate problems and solve a range of foreseen and unforeseen problems.

This qualification is designed for use across the three process manufacturing sectors:

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

It includes the same range of electives, but with different packaging rules to provide a qualification for workers unable to meet the technical requirements of PMA, PMB or PMC.

This qualification covers:

- production support workers - people working in manufacturing and filling the vital production support roles but who may not have the opportunity to develop competency in sufficient technical units related directly to producing products
- employees who operate across more than one category within process manufacturing or 'specialised processes' and elsewhere when required.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MSM30116 Certificate III in Process Manufacturing, competency must be achieved in **twenty-one (21)** units of competency:

- **four (4)** core units of competency
- **seventeen (17)** elective units of competency, as specified below:
    - a minimum of **five (5)** units from Group A
    - a maximum of **twelve (12)** units from Group B.

Note: Where pre-requisite units are identified they must be counted in the total number of units required for achievement of the qualification.

Core Units

Unit code	Unit title
MSMENV272	Participate in environmentally sustainable work practices
MSMWHS200	Work safely
MSMSUP210	Process and record information
MSS402051	Apply quality standards

Elective Units

Group A Elective Units

Unit code	Unit title	Prerequisites
MEM03001B	Perform manual production assembly	
MEM03006B	Set assembly stations	
MEM09002B	Interpret technical drawing	
MEM09204A	Produce basic engineering detail drawings	MEM09002B
MEM11005B	Pick and process order	
MEM11006B	Perform production packaging	
MEM11007B	Administer inventory procedures	

MEM12023A	Perform engineering measurements	
MEM15001B	Perform basic statistical quality control	
MEM15003B	Use improvement processes in team activities	MEM16007A
MEM15004B	Perform inspection	
MSL973013	Perform basic tests	
MSMBIO301	Process biomass using pyrolyser	
MSMBIO302	Ferment biomaterial to produce bioproducts	
MSMBIO303	Distil bioproducts	
MSMBIO304	Separate and recover bioproducts	
MSMOPS301	Treat corrosion	
MSMOPS363	Organise on-site work	
MSMPER300	Issue work permits	MSMWHS201
MSMSUP300	Identify and apply process improvements	
MSMSUP301	Apply HACCP to the workplace	
MSMSUP303	Identify equipment faults	
MSMSUP309	Maintain and organise workplace records	
MSMSUP310	Contribute to the development of workplace documentation	
MSMSUP330	Develop and adjust a production schedule	
MSMSUP382	Provide coaching/mentoring in the workplace	
MSMSUP383	Facilitate a team	
MSMSUP390	Use structured problem-solving tools	
MSMWHS300	Facilitate the implementation of WHS for a work group	MSMWHS200
TAEDEL301	Provide work skill instruction	

Group A units may also be selected from the Group A and Group B units in the PMA and PMB Certificates III, and Group A and Group B1 units in the PMC Certificate III.

Group B Elective units

Unit code	Unit title	Prerequisites
FWPCOT2238	Cut materials with a hand-held chainsaw	
HLTAID011	Provide first aid	
MSTGN3009	Coordinate work of team or 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	
MSMENV172	Identify and minimise environmental hazards	
MSMOPS100	Use equipment	
MSMOPS101	Make measurements	
MSMOPS102	Perform tasks to support production	
MSMOPS200	Operate equipment	
MSMOPS212	Use organisation computers or data systems	
MSMOPS244	Lay out and cut materials	
MSMPER200	Work in accordance with an issued permit	
MSMPER201	Monitor and control work permits	
MSMPER202	Observe permit work	
MSMPER205	Enter confined space	MSMPER200

MSMPMC308	Operate slip casting equipment	
MSMPMC309	Finish products after firing	
MSMPMC310	Hand mould products	
MSMPMC311	Operate a firing kiln	
MSMPMC312	Operate glass finishing equipment	
MSMPMC403	Set up and optimise glass forming process	
MSMSUP100	Apply workplace context to own job	
MSMSUP101	Clean workplace or equipment	
MSMSUP106	Work in a team	
MSMSUP200	Achieve work outcomes	
MSMSUP204	Pack products or materials	
MSMSUP205	Transfer loads	
MSMSUP230	Monitor process operations	
MSMSUP240	Undertake minor maintenance	
MSMSUP273	Handle goods	
MSMSUP280	Manage conflict at work	
MSMSUP291	Participate in continuous improvement	
MSMSUP292	Sample and test materials and product	
MSMWHS100	Follow WHS procedures	
MSMWHS110	Follow emergency response procedures	
MSMWHS201	Conduct hazard analysis	
MSMWHS205	Control minor incidents	
MSMWHS210	Undertake first response to non-fire incidents	
MSMWHS212	Undertake first response to fire incidents	
MSMWHS216	Operate breathing apparatus	

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MSMWHS217	Gas test atmospheres	
MSMWHS218	Control the risks of falls	
MSS402002	Sustain process improvements	
MSS402020	Apply quick changeover procedures	
MSS402021	Apply Just in Time procedures	
MSS402082	Apply cost factors to work practices	
MSS402040	Apply 5S procedures	
MSS402050	Monitor process capability	
MSS402083	Use planning software systems in operations	
MSS402080	Undertake root cause analysis	
PMBHAN103	Shift materials safely by hand	
TLID2010	Operate a forklift	

Group B units may also be chosen from:

- Group C units in the PMA and PMB Certificates III and Group B2 units in the PMC Certificate III.
- A maximum of **six (6)** relevant units from this Training Package, other endorsed Training Packages and accredited courses – a maximum of 4 units packaged in a Certificate II or III and a maximum of 2 units packaged in a Certificate IV.

Qualification Mapping Information

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Links

Companion Volume Implementation Guides are available at VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027