



Australian Government

MSM30325 Certificate III in Manufactured Mineral Products

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Modification History

Release	Comments
1	This qualification was first released in MSM Manufacturing Training Package Release 9.0.

Qualification Description

This qualification reflects the role of workers who perform a range of operations to directly produce manufactured mineral products for industry, including cement, precast concrete, pre-mixed concrete, quarry and asphalt.

The worker will be able to work independently and to apply theoretical and technical knowledge and well-developed skills to undertake operations and exercise judgement in areas such as start-up and shutdown procedures and quality assurance.

The worker will be able to apply product and process knowledge to anticipate and solve a range of routine and non-routine problems. This includes developing solutions to new problems which do not have a known or recorded solution in procedures.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

Total number of units = 18

- 5 core units
- 13 elective units, consisting of:
 - at least 9 from the list below, with a maximum of 1 unit from Group A Measurements
 - up to 4 units from any endorsed Training Package or accredited course – these units must be relevant to the work outcome.

All electives chosen must contribute to a valid, industry-supported vocational outcome.

Any combination of electives that meets the rules above may be selected for the award of the Certificate III in Manufactured Mineral Products. Where appropriate, electives may be selected to achieve specialisations as follows:

- for the award of MSM30325 Certificate III in Manufactured Mineral Products (precast concrete), at least 4 units must be selected from Group B.

Units with prerequisite requirements are marked with an asterisk.

CORE UNITS

Unit code	Unit title	Prerequisites
MSMENV272	Participate in environmentally sustainable work practices	
MSMWHS200	Work safely	
MSMSUP100	Apply workplace context to own job	
MSMSUP101	Clean workplace or equipment	
MSMSUP102	Communicate in the workplace	

ELECTIVE UNITS

Group A - Measurements

Unit code	Unit title	Prerequisites
MSMOPS101	Make measurements	
PMAOPS101	Read dials and indicators	

Group B - Precast concrete

Unit code	Unit title	Prerequisites
MSMPMC333	Meet compliance and quality requirements in precast concrete manufacture	
MSMPMC334	Assemble, use and maintain moulds in precast concrete manufacture	
MSMPMC335	Fabricate, assemble and place reinforcement in precast concrete products	
MSMPMC336	Cast, finish and cure precast concrete products	
MSMPMC337	Prestress concrete in precast elements	

Group C

Unit code	Unit title	Prerequisites
AUMABA012	Operate load shifting equipment	
CPCCCM2007	Use explosive power tools	*
CPCCCM2012	Work safely at heights	*
CPCCLDG3001	Licence to perform dogging	
CPCCOM1016	Identify requirements for safe precast and tilt-up work	
CPCCON2021	Handle concreting materials and components	*
CPCCSF2003	Cut and bend materials using oxy-LPG equipment	*
CPCCSF2004	Place and fix reinforcement materials	*
CPCCSF2006	Machine-cut reinforcement materials	*
CPCCLRG3001	Licence to perform rigging basic level	*
CPCCLRG3002	Licence to perform rigging intermediate level	*
CPCPRE3000	Lift and place prefabricated concrete elements	*
CPCPRE3001	Patch prefabricated components of concrete elements	*
CPCSIL3001	Work with products and materials containing crystalline silica	*
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry	
MEM09002	Interpret technical drawing	*
MEM12023	Perform engineering measurements	*
MEM12024	Perform computations	*
MEM13015	Work safely and effectively in manufacturing and engineering	
MEM16006	Organise and communicate information	*
MSAPMSUP201A	Receive or despatch goods	

MSMOPS200	Operate equipment	
MSMOPS212	Use organisation computers or data systems	
MSMPMC200	Organise self	
MSMPMC301	Store materials for production	
MSMPMC302	Operate equipment to blend/mix materials	
MSMPMC303	Operate grinding equipment	
MSMPMC304	Prepare for production	
MSMPMC307	Operate a calcining kiln	
MSMPMC321	Batch mix concrete	
MSMPMC322	Deliver concrete to site	
MSMPMC323	Prepare asphalt	
MSMPMC324	Move materials	
MSMPMC325	Operate bulk materials handling equipment	
MSMPMC326	Deliver customer service	
MSMPMC329	Prepare moulds and dies	
MSMPMC400	Carry out stock control	
MSMPMC401	Set up and tune a process	
MSMPMC402	Process raw meal into product	*
MSMSUP106	Work in a team	
MSMSUP200	Achieve work outcomes	
MSMSUP210	Process and record information	
MSMSUP240	Undertake minor maintenance	
MSMSUP280	Manage conflict at work	
MSMSUP330	Develop and adjust a production schedule	
MSMWHS300	Facilitate the implementation of WHS for a work group	*

MSS402042	Apply 5S procedures	
MSS402055	Apply quality standards	
RIIMPO304E	Conduct wheel loader operations	
TLID0016	Operate a forklift	
TLILIC0023	Licence to operate a slewing mobile crane (up to 60 tonnes)	
TLILIC0040	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)	

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
MEM16006 Organise and communicate information	MEM13015 Work safely and effectively in manufacturing and engineering
CPCCCM2012 Work safely at heights	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCSF2003 Cut and bend materials using oxy-LPG equipment	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCON2021 Handle concreting materials and components	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCPRE3000 Lift and place prefabricated concrete elements	CPCCCM2012 Work safely at heights CPCCLRG3002 Licence to perform rigging intermediate level
CPCPRE3001 Patch prefabricated components of concrete elements	CPCCCM2012 Work safely at heights CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
MSMPMC402 Process raw meal into product	MSMPMC307 Operate a calcining kiln

CPCCSF2004 Place and fix reinforcement materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
MEM12024 Perform computations	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering
CPCCSF2006 Machine-cut reinforcement materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCLRG3002 Licence to perform rigging intermediate level	CPCCLRG3001 Licence to perform rigging basic level
CPCCLRG3001 Licence to perform rigging basic level	CPCCLDG3001 Licence to perform dogging
MEM09002 Interpret technical drawing	MEM16006 Organise and communicate information MEM12024 Perform computations MEM13015 Work safely and effectively in manufacturing and engineering MEM12023 Perform engineering measurements
MEM12023 Perform engineering measurements	MEM16006 Organise and communicate information MEM13015 Work safely and effectively in manufacturing and engineering
MSMWHS300 Facilitate the implementation of WHS for a work group	MSMWHS200 Work safely
CPCSIL3001 Work with products and materials containing crystalline silica	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
MSM30325 Certificate III in Manufactured Mineral Products	MSM30318 Certificate III in Manufactured Mineral Products	The addition of a precast specialisation, five new units of competency including updates to the electives.	Equivalent

Links

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>.