



**Australian Government**

# **MEM30619 Certificate III in Jewellery Manufacture**

**Release 1**

# MEM30619 Certificate III in Jewellery Manufacture

## Modification History

Release 1. Supersedes and is equivalent to MEM30605 Certificate III in Jewellery Manufacture

## Qualification Description

This qualification defines the skills and knowledge required of a jewellery manufacture tradesperson within the jewellery industry. The qualification has been specifically developed for apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through a combination of on and off-the-job learning strategies such as those delivered through a formal apprenticeship. The qualification may also be achieved through formal skills recognition assessment processes.

The skills associated with this qualification are intended to apply to a wide range of jewellery manufacture work, including undertaking designing and making jewellery and small objects using a wide range of materials, including metals, stones, woods, plastics and fibres.

Assessment of some units of competency must, where indicated, include evidence of the candidate's performance in a functioning workplace where there is a sufficient range of appropriate tasks and materials to cover the scope of application of those units. All outcomes must reflect the standard of performance inherent in the job.

No licensing, legislative or certification requirements apply to this qualification at the time of publication. However, in some jurisdictions units in this qualification may relate to licensing or regulatory requirements. Local regulations should be checked.

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

To be awarded the MEM30619 Certificate III in Jewellery Manufacture units of competency to a minimum value of 96 points must be achieved, chosen as outlined below:

- core units of competency listed below (totalling 33 points)
- elective units of competency to a minimum value of 40 points from Group A
- elective units of competency to a maximum value of 23 points from Group B to bring the total value to 96 points.

Appropriate Group B elective units to the value of 8 points may be chosen from this Training Package, other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III. Only select units that would be suitable for occupational outcomes in a jewellery manufacture trade environment.

Registered Training Organisations (RTOs) must seek a determination from the industry parties in respect of the allocation of points values for units of competency drawn from other Training Packages or accredited courses. Determination of points requests are to be submitted to the industry parties through Innovation and Business Skills Australia (IBSA) Manufacturing. Refer to the MEM Companion Volume Implementation Guide for information on determination of unit points values.

#### Prerequisites

Points associated with prerequisites count towards the total. Units with prerequisite requirements are marked with an asterisk (refer to the individual units for details). All prerequisites are included in the units listed.

#### Core units of competency

Unit code	Unit title	P	Pre req
MEM09002	Interpret technical drawing	4	*
MEM11011	Undertake manual handling	2	*
MEM12023	Perform engineering measurements	5	*
MEM12024	Perform computations	3	*
MEM13015	Work safely and effectively in manufacturing and engineering	2	
MEM14006	Plan work activities	4	*
MEM16006	Organise and communicate information	2	*
MEM16008	Interact with computing technology	2	*
MEM17003	Assist in the provision of on-the-job training	2	*
MEM18001	Use hand tools	2	*
MEM18002	Use power tools/hand held operations	2	*
MSMENV272	Participate in environmentally sustainable work practices	3	

#### Elective units of competency

##### Group A

Unit code	Unit title	P	Pre req
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<b>Unit code</b>	<b>Unit title</b>	<b>P</b>	<b>Pre req</b>
MEM05006	Perform brazing and/or silver soldering	2	*
MEM06007	Perform basic incidental heat/quenching, tempering and annealing	2	*
MEM08010	Manually finish/polish materials	6	*
MEM13003	Work safely with industrial chemicals and materials	2	*
MEM13004	Work safely with molten metals/glass	2	*
MEM15004	Perform inspection	2	*
MEM18003	Use tools for precision work	4	*
MEM19001	Perform jewellery metal casting	6	*
MEM19002	Prepare jewellery illustrations	4	*
MEM19003	Handle gem materials	2	*
MEM19005	Produce three-dimensional precision items	8	*
MEM19007	Perform gemstone setting	6	*
MEM19012	Produce jewellery wax model	4	*
MEM19013	Produce jewellery metal masters	4	*
MEM19014	Perform hand engraving	4	*
MEM19015	Perform jewellery enamelling	4	*
MEM19016	Construct jewellery components	4	*
MEM19017	Fabricate jewellery items	6	*

## Group B

<b>Unit code</b>	<b>Unit title</b>	<b>P</b>	<b>Pre req</b>
MEM03001	Perform manual production assembly	4	*

<b>Unit code</b>	<b>Unit title</b>	<b>P</b>	<b>Pre req</b>
MEM03002	Perform precision assembly	4	*
MEM03006	Set assembly stations	2	*
MEM07001	Perform operational maintenance of machines/equipment	2	*
MEM07005	Perform general machining	8	*
MEM07024	Operate and monitor machine and process	4	*
MEM07032	Use workshop machines for basic operations	2	*
MEM07040	Set multistage integrated processes	6	*
MEM08002	Pre-treat work for subsequent surface coating	4	*
MEM08003	Perform electroplating operations	6	*
MEM08011	Prepare surfaces using solvents and/or mechanical means	2	*
MEM09009	Create 2-D drawings using computer-aided design system	8	*
MEM09010	Create 3-D models using computer-aided design system	4	*
MEM11012	Purchase materials	6	*
MEM11016	Order materials	2	*
MEM12001	Use comparison and basic measuring devices	2	*
MEM13001	Perform emergency first aid	1	*
MEM13002	Undertake work health and safety activities in the workplace	3	*
MEM15003	Use improvement processes in team activities	4	*
MEM16004	Perform internal/external customer service	2	*
MEM16005	Operate as a team member to conduct manufacturing, engineering or related activities	2	*
MEM19004	Handle and examine gemstone materials	6	*
MEM19008	Prepare jewellery designs	6	*
MEM19009	Perform investment procedures for lost wax casting process	1	*

Unit code	Unit title	P	Pre req
MEM19010	Produce rubber moulds for lost wax casting process	2	*
MEM19011	Perform wax injection of moulds for lost wax casting process	2	*
MEM19018	Repair jewellery items	6	*
MEM19020	Fault find and maintain micro-mechanisms	4	*
MEM19021	Diagnose and service micro-mechanisms	6	*
MEM19022	Perform precision micro-mechanism diagnosis and servicing	6	*

## Qualification Mapping Information

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## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>