

# Jewellery Training Discussion - Should Industry Basics be Required Units



The Jewellery Industry Discussion on Required Units for Training

# Jewellery Training Discussion - Required Units for Certification

In order to create generic flexibility for niche market industries, Training Packages Core units need to have a new listing of Industry specific Required Core Units which would follow the generic Training Package Core Units.

Industry discussion is therefore required to define and apply what Industry specific required core units would consist of.

Identification of specific skills each Certificate III student must gain during their training will allow our industry to consolidated and build on a firm foundation for greater business viability.

The challenge of skills inconsistency's and voids comes from some traditional training institutions allowing individuals into courses when they have not completed the fundamental skills required, as per the Australian Quality Frame works directives, to enter higher levels of education. As well as the standardization of training programs (*cutting of costs*) within in each institution to meet individual intuition profitability. That is to say, there has been a significant focus on low cost units delivered to students and the reduction of face to face contact hours.

It should be noted that these cost cutting practices are not the lectures fault. It is a governance issue. The cost cutting prevents good educators from delivering training to the student at the industry prefer standard.

So to summarize, the Jewellery Manufacturing industry and small business training is undermined specifically for these reasons:

- Low cost standardization of program units – cheap units to deliver becoming compulsory for students
- Reduced face to face contact hours
- Ineligible people being allowed into courses without having the pre-required skills

This has led to several industry short comings:

- Cost to employers in lost revenue as new employees can not do the required tasks and therefore will require further training. This is not associated to individual workshop protocols.
- Costs to student of training not fulfilling work place requirements even though they may have done quite well at the course attended.
- Increased work load on small business and employers
- General stress on all individuals associated – employer and new employee

# Jewellery Training Discussion - Required Units for Students

From the electives list the Jewellery Training Council suggests the following become part of the **Required core units** list in no specific order, points are also listed. Please note, *these are suggested Required units for all Certificate III Jewellery Manufacturing courses and require discussion.*

Unit code

MEM03001B Perform manual production assembly 4

MEM03002B Perform precision assembly 4

MEM03006B Set assembly stations 2

MEM05006C Perform brazing and/or silver soldering 2

MEM06007B Perform basic incidental heat/quenching, tempering and annealing 2

MEM08003C Perform electroplating operations 6

MEM08010B Manually finish/polish materials 6

MEM09002B Interpret technical drawing 4

MEM13003B Work safely with industrial chemicals and materials 2

MEM13004B Work safely with molten metals/glass 2

MEM18001C Use hand tools 2

MEM18002B Use power tools/hand held operations 2

MEM18003C Use tools for precision work 4

MEM19001B Perform jewellery metal casting 6

MEM19012B \*\*Produce jewellery wax model (This Unit should provide an overview of all aspects of casting process within the industry) 4

MEM19016B Construct jewellery components 4

MEM19017B Fabricate jewellery items 6

MEM19018B Repair jewellery items 6

## Current Training Package Details

Training Packaging rules.

The qualification is:

### MEM30605 Certificate III in Jewellery Manufacture

The minimum requirements for achievement of the Certificate III in Jewellery Manufacture are:

Completion of all core units of competency listed below, and

Completion of Group A Jewellery Manufacture stream units from the list below to the value of at least 40 points, and

Completion of units from Group B Certificate III Trade specialisation units listed in Appendix I, Volume 1 of the Training Package, to bring the total value to at least 73 points

Points associated with prerequisites count towards the total (refer to units and prerequisites listing in Appendix 2, Volume 1).

# Jewellery Training Discussion - Required Units

Appropriate Group B elective units to the value of 16 points may be chosen from other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III. Note that the elective units listed below include all of the units that are approved for selection from the MEM Training Package for use in this qualification. This meets the NQC requirement that one sixth of the total units must be able to be selected from other qualifications in the same Training Package.

Registered Training Organisations must seek a determination from Manufacturing Skills Australia in respect of the allocation of points values for units of competency drawn from other Training Packages or accredited courses.

Only select units that would be suitable for Jewellery Manufacture occupational outcomes

Additional qualification descriptors

There are no approved additional descriptors for this qualification.

## Core Units

Select all of the units from this list

The generic core units are as follows:

Unit code Unit title

MEM12023A Perform engineering measurements

MEM12024A Perform computations

MEM13014A Apply principles of occupational health and safety in the work environment

MEM14004A Plan to undertake a routine task

MEM14005A Plan a complete activity

MEM15002A Apply quality systems

MEM15024A Apply quality procedures

MEM16006A Organise and communicate information

MEM16007A Work with others in a manufacturing, engineering or related environment

MEM16008A Interact with computing technology

MEM17003A Assist in the provision of on the job training

MSAENV272B Participate in environmentally sustainable work practices

# Jewellery Training Discussion - Other Trades covered

Core Units are not applied a value. Core units are units of basic skills that the Manufacturing Skills Australia has decide that are fundamental to all Certificate III courses within the Metal and Engineering industries. These industries include:

MEM30705 – Certificate III in Marine Craft Construction

MEM30805 – Certificate III in Locksmithing

MEM31010 – Certificate III in Watch and Clock Service and Repair

MEM31112 – Certificate III in Engineering – Composites Trade

MEM30905 – Certificate III in Boating Services

MEM30205 – Certificate III in Engineering – Mechanical Trade

MEM30405 – Certificate III in Engineering – Electrical/Electronic Trade

MEM30605 – Certificate III in Jewellery Manufacture

MEM30305 – Certificate III in Engineering – Fabrication Trade

MEM30105 – Certificate III in Engineering – Production Systems

MEM30505 – Certificate III in Engineering – Technical

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Electives are as follows:

Unit code

- MEM03001B Perform manual production assembly 4
- MEM03002B Perform precision assembly 4
- MEM03006B Set assembly stations 2
- MEM05006C Perform brazing and/or silver soldering 2
- MEM06007B Perform basic incidental heat/quenching, tempering and annealing 2
- MEM07001B Perform operational maintenance of machines/equipment 2
- MEM07005C Perform general machining 8
- MEM07024B Operate and monitor machine/process 4
- MEM07032B Use workshop machines for basic operations 2
- MEM07040A Set multistage integrated processes 6
- MEM08001B Perform wire, jig and barrel load/unload work 4
- MEM08002C Pre-treat work for subsequent surface coating 4
- MEM08003C Perform electroplating operations 6
- MEM08010B Manually finish/polish materials 6
- MEM08011B Prepare surfaces using solvents and/or mechanical means 2
- MEM09002B Interpret technical drawing 4
- MEM13002B Undertake occupational health and safety activities in the workplace 3
- MEM13003B Work safely with industrial chemicals and materials 2
- MEM13004B Work safely with molten metals/glass 2
- MEM15004B Perform inspection 2
- MEM18001C Use hand tools 2
- MEM18002B Use power tools/hand held operations 2
- MEM18003C Use tools for precision work 4
- MEM19001B Perform jewellery metal casting 6
- MEM19002B Prepare jewellery illustrations 4
- MEM19003B Handle gem materials 2
- MEM19004B Handle and examine gemstone materials 6
- MEM19005B Produce three-dimensional precision items 8
- MEM19006B Replace watch batteries 1
- MEM19007B Perform gemstone setting 6
- MEM19008B Prepare jewellery designs 6
- MEM19009B Perform investment procedures for lost wax casting process 1
- MEM19010B Produce rubber molds for lost wax casting process 2
- MEM19011B Perform wax injection of molds for lost wax casting process 2
- MEM19012B Produce jewellery wax model 4

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MEM19013B Produce jewellery metal masters 4  
MEM19014B Perform hand engraving 4  
MEM19015B Perform jewellery enamelling 4  
MEM19016B Construct jewellery components 4  
MEM19017B Fabricate jewellery items 6  
MEM19018B Repair jewellery items 6  
MEM19020B Fault-find and maintain micro-mechanisms 4  
MEM19021B Diagnose and service micro-mechanisms 6  
MEM19022B Perform precision micro-mechanism diagnosis and servicing 6

Elective Units Table:

**Group A** – Jewellery Manufacture stream units

Select units from this list to the value of at least 40 points

Unit code

MEM03001B Perform manual production assembly 4  
MEM03002B Perform precision assembly 4  
MEM06007B Perform basic incidental heat/quenching, tempering and annealing 2  
MEM07001B Perform operational maintenance of machines/equipment 2  
MEM07032B Use workshop machines for basic operations 2  
MEM08003C Perform electroplating operations 6  
MEM08011B Prepare surfaces using solvents and/or mechanical means 2  
MEM09002B Interpret technical drawing 4  
MEM13002B Undertake occupational health and safety activities in the workplace 3  
MEM15004B Perform inspection 2  
MEM19004B Handle and examine gemstone materials 6  
MEM19006B Replace watch batteries 1  
MEM19009B Perform investment procedures for lost wax casting process 1  
MEM19010B Produce rubber molds for lost wax casting process 2  
MEM19011B Perform wax injection of molds for lost wax casting process 2  
MEM19014B Perform hand engraving 4  
MEM19015B Perform jewellery enamelling 4  
MEM19022B Perform precision micro-mechanism diagnosis and servicing 6

The Jewellery Training Council would like to engage all stakeholders for their feedback. All feed back will then be collated and report delivered to industry.

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