



Australian Government

Department of Education, Employment and Workplace Relations

MEM50311 Diploma of Diploma of Jewellery and Object Design

Release: 3

MEM50311 Diploma of Jewellery and Object Design

Modification History

Release 3 - Elective unit MEM30001A replaced by MEM30031A

Release 2 - CUV unit codes corrected in Group D

Description

This qualification describes the skills and knowledge required to apply design processes and technical production skills to the design and manufacture of custom-made jewellery and objects.

Job roles/employment outcomes

This qualification targets those producing designs for jewellery which are likely to be for custom manufacture. It also includes skills required to produce designs according to the design brief. This person is likely to be employed in a production workshop or small business operation and working directly with clients to produce items as a designer/maker.

Application

This qualification is typically used to develop skills and knowledge in jewellery enterprises. Skills gained from this qualification may be applied to specialist jewellery and object design briefs, including heritage jewellery, theatre and film commissions, exhibitions and churchware, as well as one-off individual client briefs.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Credit will be granted towards this qualification to those who have completed MEM30605 Certificate III in Jewellery Manufacture, MEM40311 Certificate IV in Advanced Jewellery Manufacture (under development) or who can demonstrate equivalent vocational experience.

Pathways from the qualification

Further training pathways from this qualification include MEM60211 Advanced Diploma of Jewellery and Object Design.

Licensing/Regulatory Information

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, all work must comply with occupational health and safety (OHS) and environmental regulations and legislation that apply to the workplace.

Entry Requirements

Not applicable.

Employability Skills Summary

Diploma of Jewellery and object design

The following table contains a summary of the employability skills as identified by the jewellery and object design industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that reflect skill requirements for this level.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Interpret and implement relevant industry and workplace standards, regulations and policies • Complete design documentation in a range of formats, including drawings, specifications and plans • Use communication technologies efficiently • Interpret and document design brief and specifications • Discuss and explore problems with items and designs • Discuss design requirements with clients and others in the design or production team • Maintain accurate and legible records • Establish effective working relationships with colleagues • Present design ideas • Complete computer aided and manual drawings • Interact and network with industry participants • Interpret information on production techniques and materials
Teamwork	<ul style="list-style-type: none"> • Work independently and as a team member • Demonstrate and encourage others in working cooperatively with people of different ages, gender, race or religion • Support others in the design process • Undertake appropriate and effective communication with others in the design process • Provide and obtain feedback on processes, outcomes and specifications to support and improve team outcomes • Participate in sustainability improvements
Problem solving	<ul style="list-style-type: none"> • Identify risks and implement risk control measures for machinery, equipment and processes • Identify and address problems and faults • Check performance of machinery and equipment and perform minor maintenance as required • Assess and evaluate skill requirements of self and others to perform tasks • Deal with and promptly resolve issues • Use problem-solving techniques to determine design requirements and production specifications

	<ul style="list-style-type: none">• Apply knowledge of materials and processes to solve design problems• Assess quality of materials before using in items• Test designs and production specifications• Identify and report potential environmental hazards
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Initiative and enterprise	<ul style="list-style-type: none"> • Test procedures and design concepts to assess effectiveness in meeting objectives • Provide leadership in design and production processes • Collect and analyse information to guide design and business practices • Identify non-conformances to standards and initiate appropriate action • Identify and implement effective ways to achieve design and production outcomes • Rectify problems promptly and appropriately • Monitor and adjust activities in response to operational variations • Identify and address existing and potential risks • Provide leadership in continuous improvement practices • Assess and apply sustainable practices to work
Planning and organising	<ul style="list-style-type: none"> • Monitor quality outcomes • Determine production requirements and plans for designs • Plan processes to achieve desired outcomes within agreed timeframes • Ensure workstation and equipment are set up so that work requirements are met • Manage design processes • Produce design samples • Develop and implement contingency plans when responding to incidents and problems • Identify and monitor resource use in own work
Self-management	<ul style="list-style-type: none"> • Maintain own work efficiency • Ensure the work area is kept clean and tidy at all times • Manage work load priorities • Monitor own work against workplace, industry and quality standards • Adjust processes or techniques as required according to variations in requirements • Conduct work in a manner which minimises waste • Implement and apply OHS practices in the workplace • Check accuracy of own documented information
Learning	<ul style="list-style-type: none"> • Experiment with design ideas and review outcomes • Seek feedback on ideas and work outcomes • Assess own skill requirements and seek further development if required • Develop or adjust processes based on previous experience
Technology	<ul style="list-style-type: none"> • Use appropriate tools, machines and equipment safely, efficiently and effectively

	<ul style="list-style-type: none"> • Use information and communication technologies • Perform minor maintenance on equipment • Work with technology safely and according to workplace standards • Use computer-aided design (CAD) technology in the development of designs
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Packaging Rules

The minimum requirements for achievement of the MEM50311 Diploma of Jewellery and Object Design are:

- completion of all **six (6)** core units of competency
- completion of **twenty (20)** elective units of competency, to bring the total number of units to **twenty six (26)**.

Units with prerequisites are marked with an asterisk. Note that when selecting elective units any prerequisite units must also be completed (refer to units and prerequisites listing in Appendix 2).

Elective units of competency must be selected as follows:

- at least **three (3)** units of competency from Group A
- at least **three (3)** units of competency from Group B
- at least **three (3)** units of competency from Group C.

The **eleven (11)** remaining elective units can be selected as follows, to bring the total number of elective units to **twenty (20)**:

- Group A, B or C electives not previously selected
- a maximum of **three (3)** units from Group D
- up to **four (4)** appropriate elective units may be chosen from other endorsed Training Packages and accredited courses where those units are available in a Diploma or Certificate IV qualification.

Appropriate units are those that would be suitable for occupational outcomes in a jewellery and object design environment.

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.

Units that have been achieved through completion of other qualifications will be credited towards the Diploma when they are also included in the unit lists for this qualification.

CORE UNITS

- Complete all **six (6)** units of competency from this list:

Unit code	Unit title	P
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MEM13014A	Apply principles of occupational health and safety in the work environment	
MEM19023A	Apply drawing and rendering techniques to jewellery or object design	
MEM19026A	Investigate quality and application of jewellery materials	
CUVPRP501A	Realise a body of creative work	
CUVRES502A	Analyse cultural history and theory	
MSAENV272B	Participate in environmentally sustainable work practices	

ELECTIVE UNITS

Group A: Specialist jewellery and object creative and design units

- Select a minimum of **three (3)** units of competency from this list:

Unit code	Unit title	P
MEM19024A	Use CAD to create and display 3D jewellery and object models	
MEM19025A	Create and present designs for jewellery and other 3D objects	
MEM19027A	Produce life drawings for presenting jewellery and object designs	*
MEM19028A	Select materials and new technologies for jewellery and 3D object design applications	
MEM19029A	Produce a professional jewellery design and 3D object portfolio	
MEM19030A	Research and design sustainable objects	
MEM19031A	Produce renderings and technical drawings for jewellery and object design construction	

Group B: Design process and drawing units

- Select a minimum of **three (3)** units of competency from this list:

Unit code	Unit title	P
MEM09002B	Interpret technical drawing	
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	
BSBCRT501A	Originate and develop concepts	
BSBDES402A	Interpret and respond to a design brief	

BSBDES502A	Establish, negotiate and refine a design brief	
CUVACD504A	Research and apply light and colour	
CUVACD506A	Refine 2-D design ideas and processes	
CUVACD507A	Refine 3-D design ideas and processes	
CUVDRA501A	Refine drawing techniques	
CUVDRA502A	Investigate drawing materials and processes	
CUVPRP503A	Present a body of own creative work	
LMFFDT4012A	Produce ideation drawings	

Group C: Jewellery and object production units

- Select a minimum of **three (3)** units from this list:

Unit code	Unit title	P
MEM05006C	Perform brazing and/or silver soldering	
MEM06007B	Perform basic incidental heat/quenching, tempering and annealing	
MEM08010B	Manually finish/polish materials	*
MEM12023A	Perform engineering measurements	
MEM12024A	Perform computations	
MEM13003B	Work safely with industrial chemicals and materials	
MEM13004B	Work safely with molten metals/glass	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MEM18003C	Use tools for precision work	*
MEM19001B	Perform jewellery metal casting	*
MEM19012B	Produce jewellery wax model	*
MEM19013B	Produce jewellery metal masters	*
MEM19032A	Design and implement mechanisms in jewellery items	
MEM19033A	Create silversmithing objects	
MEM19034A	Apply chain manufacture process	
MEM19035A	Plan and apply casting techniques for jewellery and object designs	
MEM19036A	Use specialised techniques to produce jewellery and objects	
MEM19037A	Plan and implement chelier fabrication process	

MEM22006A	Source and estimate materials	*
CUVACD304A	Make scale models	
CUVDES403A	Research and apply techniques for the design of wearable objects	
CUVJWL401A	Experiment with techniques to produce jewellery	

Group D: General electives

- Select a maximum of **three (3)** units of competency from this list:

Unit code	Unit title	P
Digital context and imaging		
MEM16008A	Interact with computing technology	
MEM19042A	Render images using computer graphics software	*
CUVACD512A	Work with photomedia in art and design practice	
CUVDIG401A	Experiment with techniques to enhance digital images	
CUVDIG501A	Refine digital art techniques	
CUVGRD301A	Prepare files for publication	
CUVPHI302A	Capture photographic images	
CUVPHI403A	Apply photo imaging lighting techniques	
Communication		
MEM16006A	Organise and communicate information	
BSBCM401A	Make a presentation	
BSBCRT401A	Articulate, present and debate ideas	
BSBCRT402A	Collaborate in a creative process	
CUVPRP405A	Develop and discuss ideas for own creative work	
Professional practice and management/industry context		
BSBIPR501A	Manage intellectual property to protect and grow business	
BSBIPR401A	Use and respect copyright	
BSBPMG510A	Manage projects	
BSBSMB403A	Market the small business	
BSBSMB405A	Monitor and manage small business operations	
BSBSMB406A	Manage small business finances	
CUFIND201A	Develop and apply creative arts industry knowledge	

Unit code	Unit title	P
CUFRES401A	Conduct research	
CUVPRP403A	Select and organise finished work for storage	
CUVPRP502A	Prepare for sustainable professional practice	
MSAENV472B	Implement and monitor environmentally sustainable work practices	
SIRXSL001A	Sell products and services	

Custom Content Section

Not applicable.