



Australian Government

MSF40213 Certificate IV in Furniture Design and Technology

Release 3

MSF40213 Certificate IV in Furniture Design and Technology

Modification History

Release 3 - CPCCOHS1001A replaced by MSMWHS200. Imported units updated. Equivalent.
Release 2 - Imported units updated. Equivalent.
Release 1 - New qualification

Qualification Description

This qualification describes the skills and knowledge required to perform design of furniture and the application of the design into a finished furniture product. This qualification is streamlined to reflect three complementary occupational outcomes in the areas of:

1. Fine furniture making - with a focus on skills required to design and produce individual fine furniture for display or custom production.
2. Furniture design - with a focus on skills required to design furniture for volume production.
3. Furniture production - with a focus on purchasing, quality assurance and specialist techniques

This is a senior qualification with scope for entry from relevant trade and non-trade backgrounds.

This qualification is typically used to develop skills and a breadth, depth and complexity of knowledge in a range of furniture making, design and production techniques. The work would cover a broad range of varied activities or applications in a wide variety of contexts, most of which are complex and non-routine. Leadership and guidance would be involved when organising self and others as well as contributing to technical solutions of a non-routine or contingency nature.

There are no specific licences that relate to this qualification. However, depending on the jurisdiction, licensing or regulatory requirements may apply to the use of some units in this qualification. Local regulations should be checked for details.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MSF40213 Certificate IV in Furniture Design and Technology, competency must be achieved in **nineteen (19)** units of competency.

- **five (5)** core units of competency
- **fourteen (14)** elective units of competency.

Note: Units marked with an asterisk have one or more prerequisites and must be considered in the total number of units. Please refer to individual units for details.

CORE UNITS

Complete all **five (5)** units from this list.

Unit code	Unit title
MEM16006A	Organise and communicate information
MEM16007A	Work with others in a manufacturing, engineering or related environment
MSMENV272	Participate in environmentally sustainable work practices
MSFFDT4011	Research and select furniture materials and technology
MSFFDT4012	Research furniture styles and movements

ELECTIVE UNITS

Select **fourteen (14)** units from Groups A to E as specified below.

Group A

Select **one (1)** unit from Group A.

Unit code	Unit title
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Stream 1: Fine Furniture Making and Furniture Production

BSBOHS404B	Contribute to the implementation of strategies to control OHS risk
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Stream 2: Furniture Design

MSFFDT4006	Determine work health and safety (WHS) implications of designs
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Select a minimum of **eight (8)** units from Group B, C or D with at least **five (5)** units being coded MSF*****

Group B – Fine Furniture Making

Unit code	Unit title
BSBDES301	Explore the use of colour
BSBPMG522	Undertake project work
BSBSMB403	Market the small business
BSBSMB404	Undertake small business planning
CUADIG303	Produce and prepare photo images
CUAACD303	Produce technical drawings
MSFDN4003	Produce patterns and templates
MSFFDT4001	Apply finishing techniques to custom furniture
MSFFDT4002	Assemble custom furniture
MSFFDT4005	Construct and evaluate furniture prototypes and samples
MSFFDT4008	Produce and evaluate developmental furniture models to scale
MSFFDT4009	Set up, operate and maintain basic static woodworking machines for furniture designs
MSFFDT4013	Select, use and maintain hand tools for the creation of custom furniture
MSFFDT4014	Set up and operate a wood-turning lathe to produce off-centre work
MSFFDT4015	Produce templates and jigs for custom-made furniture
MSFFM4001	Hand carve wood to custom design
MSFFM4002	Construct joints for custom furniture
MSFFM4003	Produce curved and shaped components for custom furniture
MSFFM4004	Produce timber veneered components for custom furniture
MSFFT4010	Identify and calculate production costs

Group C – Furniture Design

Unit code	Unit title	Prerequisite
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BSBCRT401	Articulate, present and debate ideas	
BSBCRT402	Collaborate in a creative process	
BSBCRT403	Explore the history and social impact of creativity	
BSBCRT501	Originate and develop concepts	
BSBDES303	Explore and apply the creative design process to 3D forms	
BSBDES305	Source and apply information on the history and theory of design	
BSBDES401	Generate design solutions	
BSBDES403	Develop and extend design skills and practice	
BSBDES502	Establish, negotiate and refine a design brief	
BSBSMB407	Manage a small team	
CUADIG304	Create visual design components	
CULMS010B	Contribute to the preservation of cultural material	
CUAACD302	Produce computer-aided drawings	
MEM15001B	Perform basic statistical quality control	
MEM16006A	Organise and communicate information	
MEM16007A	Work with others in a manufacturing, engineering or related environment	
MEM16008A	Interact with computing technology	
MEM16013A	Operate in a self-directed team	*
MEM30024A	Participate in quality assurance techniques	*
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	
MEM30033A	Use computer-aided design (CAD) to create and display 3-D models	*
MSFDN4001	Produce drawings from design concepts	

MSFFDT4003	Assess and record the lifecycle of a product
MSFFDT4004	Assess environmental impact of a design
MSFFDT4007	Prepare and present furniture design information
MSFFDT4010	Research and select furniture finishes
MSFFT4009	Match furnishing style and materials to customer requirements
MSS402030	Apply cost factors to work practices
MSS403030	Improve cost factors in work practices

Group D – Furnishing Technology

Unit code	Unit title
MSMENV472	Implement and monitor environmentally sustainable work practices
MSFAH4001	Advise on security technology, hardware and services
MSFAH4002	Prepare door hardware schedules
MSFDN4002	Produce line and component production drawings
MSFDN4004	Design, construct and test jigs
MSFDN4005	Work within a furniture design team
MSFFT4001	Coordinate on-site installation of furnishing products
MSFFT4002	Customise stock lines
MSFFT4003	Organise production processes
MSFFT4004	Establish and monitor production inventory requirements
MSFFT4005	Install and commission computer numerically controlled (CNC) software
MSFFT4006	Construct prototypes and samples
MSFFT4007	Sample, inspect and test products to specifications
MSFFT4008	Interpret and use workplace information
MSFFT4011	Purchase materials and consumables

MSFFT4012	Prepare a tender submission
MSFPPF4001	Design and construct ornamental frames
MSFPPF4002	Determine and apply gilding techniques

Group E

Up to **five (5)** relevant units can be chosen from other units not already selected from Groups B, C or D, or units available in this Training Package, other endorsed Training Packages and accredited courses. Those units must be aligned at Certificate III level (maximum 1 unit), Certificate IV level (maximum 5 units) or Diploma level (maximum 1 unit).

Units selected from other Training Packages and accredited courses via Group E must be relevant to the qualification outcome and not duplicate units available within this qualification.

Qualification Mapping Information

Release 3 - CPCCOHS1001A replaced by MSMWHS200. Imported units updated. Equivalent.

Release 2 - Imported units updated. Equivalent.

Release 1 - New qualification. Supersedes and is based on LMF40508 Certificate IV in Furniture Design and Technology and LMF40202 Certificate IV in Furnishing Technology. Outcomes are not equivalent.

Links

MSA Training Package Companion Volumes -

http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=35