



Australian Government

MSF40222 Certificate IV in Furniture Design and Manufacturing

Release: 3

MSF40222 Certificate IV in Furniture Design and Manufacturing

Modification History

Release 3. Imported elective units updated. Supersedes and equivalent to MSF40222 Certificate IV in Furniture Design and Manufacturing (Release 2).

Release 2. Equivalency error in metadata updated. MSF40222 Certificate IV in Furniture Design and Manufacture (Release 1) is not equivalent to MSF40213 Certificate IV in Furniture Design and Manufacture.

Release 1. Packaging rules changed, description revised, core and elective units changed. Supersedes and is not equivalent to MSF40213 Certificate IV in Furniture Design and Technology.

Qualification Description

This qualification reflects the role of individuals who work in product design-related and manufacturing or custom-made furniture roles in furniture or similar organisations where a combination of technical, creative, practical, research and project coordination skills is required. At this level, these individuals use knowledge of design principles and concepts in a practical way to drive design process, materials capability and production processes to develop and create product and process solutions in response to varied design briefs. Depending on the context, an individual may also use other product-specific technical production skills.

There are no specific licenses 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

Total number of units = 18

- 5 core units
- 13 elective units selected from those listed below, or from any endorsed training package or accredited course (these units must be relevant to the work outcome), and comprising:
 - a minimum of 8 MSF-coded units
 - a minimum of 1 unit from each of Groups A to F.

The remaining 4 electives may be chosen from any endorsed training package or accredited course (these units must be relevant to the work outcome). Units selected from other training packages and accredited courses must not duplicate units available within this qualification.

Core Units	
CUADES411	Generate design solutions
CUADES412	Interpret and respond to a design brief
MSFFDM4008	Investigate materials and technologies for design projects
MSFFDM4010	Prepare and present design and manufacturing information
MSFFDM4014	Produce manual and computer-aided drawings from design concepts

Group A Electives: History of design

Code	Title
CUARES301	Apply knowledge of history and theory to own arts practice
CUADES305	Source and apply information on the history and theory of design
MSFFDM4021	Research furniture styles and movements

Group B Electives: Design communication

Code	Title
BSBCRT311	Apply critical thinking skills in a team environment
BSBCRT412	Articulate, present and debate ideas
BSBCRT413	Collaborate in a creative process
BSBOPS404	Implement customer service strategies
CUAACD311	Produce drawings to communicate ideas
CUADIG303	Produce and prepare photo images

Group C Electives: Design practice

Code	Title
CUADES301	Explore the use of colour
CUADES303	Explore and apply the creative design process to 3D forms

CUADES304	Source and apply design industry knowledge
BSBPMG430	Undertake project work
MSFFDM4009	Match furnishing style and materials to customer requirements
MSFFDM4020	Research and select product finishes
MSFFM3029	Select timbers for furniture production
MSFKB4011	Design ancillary residential cabinetry

Group D Electives: Workshop practice

Code	Title
BSBWHS311	Assist with maintaining workplace safety
CUAACD314	Make scale models
CUAACD412	Experiment with moulding and casting techniques
CUADES422	Research and apply techniques in product design
CUASCU411	Experiment with techniques to produce sculpture
CUAWOO401	Experiment with techniques to produce wood objects
MSFFDM4001	Assemble custom furniture
MSFFDM4003	Construct and evaluate prototypes and samples
MSFFDM4004	Construct joints for custom furniture
MSFFDM4005	Design, construct and test jigs
MSFFDM4006	Hand carve wood to custom design
MSFFDM4013	Produce curved and shaped components for custom furniture
MSFFDM4016	Produce timber veneered components for custom furniture
MSFFDM4022	Select, use and maintain hand tools for the creation of custom products
MSFFDM4023	Set up, operate and maintain basic static woodworking machines for furniture designs
MSMWHS200	Work safely

Group E Electives: Design documentation and machine interface

Code	Title
CUAACD312	Produce computer-aided drawings
CUAACD313	Produce technical drawings
CUAANM313	Create 3D digital models
CUADIG519	Investigate technologies for the creation of digital art
MSFFDM4012	Produce computer-aided line and component production drawings
MSFFDM4015	Produce patterns and templates
MSFFDM4019	Research and select manufacturing technologies
MSFFDM5002	Coordinate and optimise workplace maintenance programs

Group F Electives: Project management and professional development

Unit code	Unit title
BSBESB401	Research and develop business plans
BSBESB402	Establish legal and risk management requirements of new business ventures
BSBESB404	Market new business ventures
BSBESB407	Manage finances for new business ventures
BSBLDR413	Lead effective workplace relationships
BSBTWK401	Build and maintain business relationships
MSFFDM400 2	Collect and interpret information to support production processes
MSFFDM400 7	Identify and calculate production costs
MSFFDM401 1	Prepare tender submissions
MSFFDM401 7	Purchase materials and consumables

MSFFDM4018	Research and organise product inspection and testing
MSFGN4001	Research and meet ethical and compliance requirements
MSS402087	Apply cost factors to work practices

Qualification Mapping Information

Release 3. Supersedes and equivalent to MSF40222 Certificate IV in Furniture Design and Manufacturing (Release 2).

Release 2. Supersedes and equivalent to MSF40222 Certificate IV in Furniture Design and Manufacture (Release 1).

Release 1. Supersedes and is not equivalent to MSF40213 Certificate IV in Furniture Design and Technology.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>