



Australian Government

MSF50322 Diploma of Furniture Design and Manufacturing

Release 1

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Modification History

Not applicable.

Qualification Description

This qualification reflects the role of individuals who work in paraprofessional design and manufacturing roles in furniture or similar organisations using a combination of technical, creative, practical, research and project management skills in small-scale design projects. At this level these individuals are able to work collaboratively to establish and refine the design brief and to develop and implement design solutions for application in a commercial context. They use detailed knowledge of the design process, current technologies, materials capability and production processes. 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

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Total number of units = 18

7 core units

11 elective units consisting of:

at least 6 units from the electives listed below

up to 5 units from the electives listed below, 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		Prerequisite units
BSBCRT512	Originate and develop concepts	
CUADES511	Implement design solutions	
CUADES512	Establish, negotiate and refine a design brief	

Core Units		Prerequisite units
MSFFDM5008	Evaluate design proposals and concepts	
MSFFDM5009	Generate and transfer complex computer-aided drawings and specifications	
MSFFDM5012	Research, test and apply materials and technologies for design projects	
MSFFDM5013	Work collaboratively on design projects	

Elective Units		Prerequisite units
BSBESB406	Establish operational strategies and procedures for new business ventures	
BSBLEG525	Apply legal principles in intellectual property law matters	
BSBLDR523	Lead and manage effective workplace relationships	
BSBMKG541	Identify and evaluate marketing opportunities	
BSBPEF501	Manage personal and professional development	
BSBPMG430	Undertake project work	
BSBSTR501	Establish innovative work environments	
BSBTWK401	Build and maintain business relationships	
CUAACD314	Make scale models	
CUAACD537	Refine 3-D design ideas and processes	
CUAACD508	Refine model making skills	
CUAACD511	Make moulds and casts	
CUAANM313	Create 3D digital models	
CUADES413	Develop & extend design skills and practice	
CUADES611	Manage design realisation	
CUADIG519	Investigate technologies for the creation of digital art	

Elective Units		Prerequisite units
CUAPPR502	Develop own sustainable professional practice	
CUAPPR513	Present a body of own creative work	
CUAPPR515	Establish and maintain safe creative practice	
CUAPPR613	Engage in the business of creative practice	
MSFFDM4002	Collect and interpret information to support production processes	
MSFFDM4005	Design, construct and test jigs	
MSFFDM4007	Identify and calculate production costs	
MSFFDM4010	Prepare and present design and manufacturing information	
MSFFDM4012	Produce computer-aided line and component production drawings	
MSFFDM4018	Research and organise product inspection and testing	
MSFFDM4021	Research furniture styles and movements	
MSFFDM5001	Construct custom furniture using advanced techniques	
MSFFDM5002	Coordinate and optimise workplace maintenance programs	
MSFFDM5003	Design product suitable for batched or limited production	
MSFFDM5004	Design product suitable for high-volume technology services in production	
MSFFDM5005	Design product suitable for mass production	
MSFFDM5006	Develop and document technical workplace information	
MSFFDM5007	Develop, trial and evaluate prototypes	
MSFFDM5010	Investigate ergonomic, anthropometric and proxemic considerations for design	

Elective Units		Prerequisite units
MSFFDM5011	Plan production	
MSFGN4001	Research and meet ethical and compliance requirements	
MSS015022	Develop strategies for more sustainable use of resources	
MSS015023	Design sustainable product or process	
MSS404054	Apply statistics to operational processes	
MSS405022	Design a process layout	
MSS405075	Facilitate the development of a new product	MSS404054 Apply statistics to operational processes

Qualification Mapping Information

Supersedes and is non-equivalent to MSF50313 Diploma of 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>