



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **LMF50202 Diploma of Furnishing Technology**

**Revision Number: 1**

## **LMF50202 Diploma of Furnishing Technology**

### **Modification History**

Not applicable.

## Description

This qualification describes the skills and knowledge required to perform furnishing design, manage production processes and business requirements in a furnishing manufacturing organisation.

### Job roles/employment outcomes

The LMF50202 Diploma of Furnishing Technology reflects vocational outcomes for those performing furnishing design, production and management processes and procedures and involves self-directed application of knowledge and skills, with substantial depth in some areas where judgement is required in planning and selecting appropriate equipment, services and techniques for self and others.

### Application

This qualification is typically used to develop a breadth, depth and complexity of skills and knowledge covering furnishing design and production planning plus initiation of alternative approaches to skills or knowledge application across a broad range of technical and/or management requirements, evaluation and co-ordination. Work would involve participation in development of strategic initiatives, as well as personal responsibility and autonomy in performing complex technical operations or organising others. It may include participation in teams, including teams concerned with planning and evaluation functions and could involve group or team coordination.

### Pathways into the qualification

This qualification may be accessed by direct entry. Credit can be granted towards this qualification by those who have completed LMF40202 Certificate IV in Furnishing Technology where competencies are common to this qualification or achieved equivalent industry experience.

### Pathways from the qualification

Further training pathways from this qualification may include LMF60102 Advanced Diploma of Furnishing Management or LMF60308 Advanced Diploma of Furniture Design and Technology and relevant management or competitive manufacturing qualifications.

### Licensing considerations

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.

## Pathways Information

Not applicable.

## Licensing/Regulatory Information

Not applicable.

## **Entry Requirements**

Not applicable.

## Employability Skills Summary

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
Communication	<ul style="list-style-type: none"> <li>• complete workplace documentation and records</li> <li>• use communication technologies efficiently</li> <li>• develop work instructions, specifications and procedures for production</li> <li>• demonstrate effective and appropriate communication and interpersonal skills when dealing with people from nesb</li> <li>• communicate with all team members</li> <li>• demonstrate effective and appropriate communication and interpersonal skills when dealing with clients</li> <li>• use most appropriate communication method given priority, cost and customer facilities</li> <li>• access, interpret and apply technical information</li> <li>• interpret and apply calculations and specifications</li> <li>• interpret production data</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• work cooperatively with people of different ages, gender, race or religion</li> <li>• liaise with and provide support to other team members</li> <li>• work as part of a team</li> <li>• identify and manage performance required to meet customer needs in own work and team</li> <li>• manage technical processes and provide problem solving support to others</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• investigate problem causes</li> <li>• identify, rectify or report potential difficulties associated with manufacture of products or provision of services</li> <li>• identify and report environmental features, regulations, insurance requirements, legal requirements and other factors which may affect the product or service to be provided</li> <li>• use material and process knowledge to solve problems</li> <li>• identify hazards and implement control measures</li> <li>• determine production requirements</li> <li>• apply information on furniture construction and design to determine solutions to production or design problems</li> <li>• conduct tests and analyse results to determine and assess production requirements</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• seek feedback on products, processes and procedures</li> <li>• gather and analyse information and apply to production</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

	<ul style="list-style-type: none"> <li>processes</li> <li>• record information on the quality and other indicators of products</li> <li>• determine types and quantities of materials required for manufacture</li> <li>• support achievement of efficient production processes</li> <li>• determine and act on situations requiring further information or problem solving</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• identify hazards and implement appropriate hazard control measures</li> <li>• demonstrate time management skills</li> <li>• source and prepare materials and resources for production</li> <li>• identify and rectify stock shortages in advance</li> <li>• sequence work to maximise safety and productivity</li> <li>• interpret production requirements for furniture designs</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• interpret and apply relevant acts and regulations</li> <li>• keep the work area clean and tidy at all times</li> <li>• monitor own work and work of team and identify and act on any quality issues</li> <li>• understand own work activities</li> <li>• manage own time to meet deadlines</li> <li>• implement workplace procedures and instructions</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• implement learning activities as appropriate to ensure achievement of specified production requirements</li> <li>• assess competencies in meeting job requirements</li> <li>• be supportive, assertive and use interpersonal skills</li> <li>• identify own training needs and seek skill development if required</li> <li>• gather feedback to own work to assess effectiveness in meeting objectives and integrate information into own practice</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• ensure production equipment is operated and maintained according to workplace standards</li> <li>• use computer software applications effectively</li> <li>• work with technology safely and according to workplace standards</li> <li>• help others use technology efficiently and safely</li> <li>• use testing technology</li> </ul>

## Packaging Rules

### Packaging Rules

To be awarded the LMF50202 Diploma of Furnishing Technology, competency must be achieved in **thirty (30)** units of competency.

- **three (3)** core units of competency
- **twenty-seven (27)** elective units of competency.

Note: Where prerequisite units apply, these have been listed, and must be considered in the total number of units.

### CORE UNITS

Complete all **three (3)** units from this list.

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS300A	Facilitate the implementation of OHS for a work group	
MSAPMSUP383A	Facilitate a team	

### ELECTIVE UNITS

Select **twenty-seven (27)** units from Groups A, B and C as specified below.

#### Group A

Select a minimum of **twelve (12)** units from Group A

Unit code	Unit title	Prerequisites
LMFDN4001B	Produce drawings from design concepts	
LMFDN4002B	Produce line and component production	

Unit code	Unit title	Prerequisites
	drawings	
LMFDN4003B	Produce patterns and/or templates	
LMFDN4004B	Design, construct and test jigs	
LMFDN4005B	Work within a furniture design team	
LMFFT4001B	Coordinate on-site installation of furnishing products	
LMFFT4002B	Customise stock lines	
LMFFT4003B	Organise production processes	
LMFFT4004B	Establish and monitor production inventory requirements	
LMFFT4005B	Install and commission CNC software	
LMFFT4006B	Construct prototypes and samples	
LMFFT4007B	Sample, inspect and test products to specifications	
LMFFT4008B	Interpret and use workplace information	
LMFFT4009B	Match furnishing style/materials to	



Unit code	Unit title	Prerequisites
	customer requirements	
LMFFT4010B	Identify and calculate production costs	
LMFFT4011B	Purchase materials and consumables	
LMFFT4012B	Prepare a tender submission	
LMFPP4001B	Design and conduct ornamental frames	
LMFPP4002B	Determine and apply gilding techniques	

### Group B

Select a minimum of **nine (9)** units from Group B

Unit code	Unit title	Prerequisites
LMFDN5001B	Generate and transfer complex computer-aided drawings and specifications	
LMFDN5006B	Manage furniture design	
LMFFDT4015A	Research furniture styles and movements	
LMFFT5001B	Evaluate and select production materials and equipment	

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
LMFFT5001B	Evaluate and select production materials and equipment	
LMFFT5002B	Establish and develop production processes and area layout	
LMFFT5003B	Manage installation and commissioning of equipment	
LMFFT5004B	Develop and document procedures and specifications	
LMFFT5005B	Organise enterprise maintenance programs	
LMFFT5006B	Plan production	
LMFFT5010B	Optimise CNC operations	
LMFFT5011B	Develop, trial and evaluate prototypes	
LMFFT5012B	Determine production feasibility of designs	
LMFFT5013B	Develop products and related processes	
LMFFT5014B	Establish and monitor business	

Unit code	Unit title	Prerequisites
	information systems	
LMFFT5015B	Establish and implement contracts for external goods or services	
LMFFT5016B	Establish customer contracts	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

### Group C

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

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

If Competitive Manufacturing units are chosen (identified as MSACM in the code), these should only be selected on the basis of work requirements.