



Australian Government

MSF30313 Certificate III in Timber and Composites Machining

Release 4

MSF30313 Certificate III in Timber and Composites Machining

Modification History

Release 4 - Imported units updated. Equivalent.

Release 3 - 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 timber and composites machining for the manufacture of furniture, cabinetry, windows and doors, and other components utilising a range of specialist machinery, and includes preparing and working from drawings and cutting lists. The skills include static and computer numerically controlled (CNC) machine set up, operation maintenance and basic troubleshooting.

There are three possible specialist streams embedded in this qualification:

Stream 1 -- Flat Panel Machining

Stream 2 – Solid Timber Machining

Stream 3 – Machining Technician

Units may be chosen from the specialist stream elective groups to achieve any of the three specialisations or a broad combination of competencies can be selected from all electives with no identified specialisation.

Where specialisation is achieved, RTOs should identify this as follows:

MSF30313 Certificate III in Timber and Composites Machining

(Flat Panel Machining)

or

MSF30313 Certificate III in Timber and Composites Machining

(Solid Timber Machining)

or

MSF30313 Certificate III in Timber and Composites Machining

(Machining Technician)

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 MSF30313 Certificate III in Timber and Composites Machining, competency must be achieved in **twenty-seven (27)** units of competency.

- **eleven(11)** core units of competency
- **sixteen(16)** 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 **eleven(11)** units from this list.

Unit code	Unit title
MSMENV272	Participate in environmentally sustainable work practices
MSMWHS200	Work safely
MSMSUP102	Communicate in the workplace
MSMSUP106	Work in a team
MSFFM2001	Use furniture making sector hand and power tools
MSFFM2010	Set up and operate basic static machines
MSFFM3009	Produce manual and computer-aided production drawings
MSFFM3010	Prepare cutting list from plans and job specifications
MSFGN2001	Make measurements and calculations
MSFGN3001	Read and interpret work documents
MSFGN3002	Estimate and cost job

ELECTIVE UNITS

Select **sixteen(16)** units from Groups A, B, C, D or E as specified below.

Group A

Select a minimum of **seven(7)** units from Group A for a specialisation in **Stream 1 - Flat Panel Machining**

Unit code	Unit title
MSFFF2004	Prepare surfaces for finishing
MSFFM2002	Assemble furnishing components
MSFFM2004	Apply sheet laminates by hand
MSFFM2007	Follow plans to assemble production furniture
MSFFM2011	Apply manufactured board conversion techniques
MSFFM3012	Set up, operate and maintain sawing machines
MSFFM3013	Set up, operate and maintain drilling machines
MSFFM3019	Set up, operate and maintain automated edge banding machines
MSFFM3020	Fabricate synthetic solid surface products

Group B

Select a minimum of **seven(7)** units from Group B for a specialisation in **Stream 2 – Solid Timber Machining**

Unit code	Unit title
MSFFDT4009	Set up, operate and maintain basic static woodworking machines for furniture designs
MSFFM2005	Join solid timber
MSFFM3008	Select timbers for furniture production
MSFFM3014	Set up, operate and maintain joining machines

MSFFM3015	Set up, operate and maintain planing and finishing machines
MSFFM3016	Set up, operate and maintain multi-head planing and moulding machines
MSFFM3017	Set up, operate and maintain routing and shaping machines
MSFFM3018	Set up, operate and maintain mechanical wood-turning lathes
MSFFM3024	Construct jigs and fixtures

Group C

Select a minimum of **seven (7)** units from Group C for a specialisation in **Stream 3 –Machining Technician**

Unit code	Unit title	Prerequisites
MSTGN4012	Fabricate or machine tooling	
MEM07001B	Perform operational maintenance of machines/equipment	*
MEM14003B	Undertake basic production scheduling	
MEM18001C	Use hand tools	
MEM30017A	Use basic preventative maintenance techniques and tools	
MSFFM3021	Set up, operate and maintain computer numerically controlled (CNC) sizing machines	
MSFFM3022	Set up, operate and maintain computer numerically controlled (CNC) machining and processing centres	
MSFFM3023	Produce and maintain cutting tools	
MSFFT4005	Install and commission computer numerically controlled (CNC) software	
MSS402001	Apply competitive manufacturing practices	
MSS402020	Apply quick changeover procedures	

MSS402083	Use planning software systems in operations
MSS402081	Contribute to the application of a proactive maintenance strategy
MSS403087	Mistake proof an operational process
UEENEEH166A	Fault find microcontroller based hardware

Group D

Select up to **five (5)** units from Group D.

Unit code	Unit title
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements
MSFDN4003	Produce patterns and templates
MSFFM2012	Set up, operate and maintain pressure and clamping machines
MSFFM3007	Prepare and apply decorative surfaces for furniture
MSFFM3011	Measure and draw site layout for manufactured furniture products
MSFFT4007	Sample, inspect and test products to specifications
MSS402010	Manage the impact of change on own work
MSS402021	Apply Just in Time procedures
MSS402051	Apply quality standards
TLID2003	Handle dangerous goods/hazardous substances

Group E

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

Release 2 - Imported units updated. Equivalent.

Release 1 - New qualification. Supersedes and is based on LMF30502 Certificate III in Furniture Making (Wood Machining). Outcomes are not equivalent.

Links

Companion Volume implementation guides are found in VETNet -

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