



Australian Government

Department of Education, Employment and Workplace Relations

LMF31408 Certificate III in Musical Instrument Making and Repair

Revision Number: 1

LMF31408 Certificate III in Musical Instrument Making and Repair

Modification History

Not applicable.

Description

This qualification describes the skills and knowledge required to manufacture and repair a wide range of musical instruments.

Job roles/employment outcomes

The LMF31408 Certificate III in Musical Instrument Making and Repair reflects vocational outcomes for those performing the manufacture and repair of musical instruments in a defined range of skilled operations, usually within a range of broader related activities involving known routines, methods and procedures, where some discretion and judgement is required in the selection of equipment, services or contingency measures and within known time constraints.

Application

This qualification is typically used to develop skills and a breadth, depth and complexity of knowledge in making and repairing musical instruments and would cover selecting, adapting and transferring this skill and knowledge to new environments and providing technical advice and some leadership in resolution of specific problems. Application would be across a range of roles in a variety of contexts with some complexity in the extent and choice of options available and may involve some responsibility for others. Participation in teams including group or team coordination may be required.

Pathways into the qualification

This qualification may be accessed by direct entry. Credit can be granted towards this qualification by those who have completed LMF10108 Certificate I in Furnishing or achieved equivalent industry experience.

Pathways from the qualification

Further training pathways from this qualification may include LMF40308 Certificate IV in Musical Instrument Making and Repair and relevant supervisory, 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

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	collect, organise and understand information related to work orders, basic plans and safety procedures
Teamwork	- collect, organise and understand detailed technical information related to the materials and the products used in and related to musical instrument making and repairs - communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems - maintain records related to product and materials quality
Problem-solving	work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
Initiative and enterprise	- use pre-checking and inspection techniques to ensure the tools are serviceable and ready to use - use checking and inspection techniques to ensure instruments comply with specifications and that instances of non-compliance are remedied - identify, anticipate and respond to faults in timber and/or seasoning processes - identify, anticipate and respond to the problems related to timber and material properties - identify and analyse faults in instruments - select and apply the most appropriate instrument maintenance and repair techniques
Planning and organising	identify, anticipate and respond to the impact of the instruments properties on the product (music)
Self-management	- clarify and confirm specified work instructions - plan work within given task parameters - apply systematic and effective time management - accept responsibility for given tasks - set, monitor and satisfy personal work goals
Learning	- satisfy the competency requirements for the job - maintain current knowledge of instrument making and repairing tools and production materials - maintain current knowledge of instruments making and repairing processes and techniques

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	• seek learning opportunities
Technology	• use the workplace technology related to the selection, preparation and use of instrument products and materials including hand and power tools, calculators, measuring devices and technical support systems

Packaging Rules

Packaging Rules

To be awarded the LMF31408 Certificate III in Musical Instrument Making and Repair, competency must be achieved in **twenty-five (25)** units of competency.

- **nine (9)** core units of competency
- **sixteen (16)** 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 **nine (9)** units from this list.

Unit code	Unit title	Prerequisites
LMFFF2001B	Use furniture finishing sector hand and power tools	
LMFFM3033B	Construct jigs and fixtures	
LMFGN3001B	Read and interpret work documents	
LMFMI3001A	Assemble instrument components	
MSAENV272B	Participate in environmentally sustainable work practices	

Unit code	Unit title	Prerequisites
MSAPMOHS200A	Work safely	
MSAPMOPS101A	Make measurements	
MSAPMSUP102A	Communicate in the workplace	
MSAPMSUP106A	Work in a team	

ELECTIVE UNITS

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

Group A

Select a minimum of **one (1)** unit from Group A

Unit code	Unit title	Prerequisites
LMFMI3003A	Manufacture acoustic guitars	
LMFMI3004A	Manufacture brass instruments	
LMFMI3005A	Manufacture electric guitars	
LMFMI3006A	Manufacture percussion instruments	
LMFMI3007A	Manufacture special stringed instruments	
LMFMI3008A	Manufacture stringed instruments	

Group B

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

Unit code	Unit title	Prerequisites
CUVCOR07B	Use drawing techniques to represent the object or idea	
CUVCOR08B	Produce drawings to represent and communicate the concept	
CUVDES01A	Apply colour theory in response to a brief	
CUVVSP01B	Produce calligraphy	
CUVVSP14B	Apply techniques to produce drawings	
CUVVSP15B	Produce drawings	
LMFFF2007B	Apply stains, fillers and bleach	
LMFFF2008B	Apply surface coatings by hand	
LMFFF3003B	Apply plural component coatings	
LMFFF3004B	Apply soft rubber techniques	
LMFFF3005B	Enhance finishes	
LMFFM2010B	Set up, operate and maintain basic static machines	
LMFFM3011B	Produce manual and computer-aided production	

Unit code	Unit title	Prerequisites
	drawings	
LMFGN2002B	Move and store materials and products	
LMFGN3002B	Estimate and cost job	
LMFMI3002A	Construct and apply decorative treatments and finishes to musical instruments	
LMFMI3009A	Repair brass instruments	
LMFMI3010A	Repair percussion instruments	
LMFMI3011A	Repair woodwind instruments	
MEM05003B	Soft soldering	
TLID207C	Shift a load using manually operated equipment	
TLID307E	Handle dangerous goods/hazardous substances	

Group C

Up to **six (6)** relevant units may be chosen from units not already selected from Groups A or B, 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 2 units), Certificate III level (maximum 6 units) or Certificate IV level (maximum 2 units).

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.