



Australian Government

Department of Education, Employment and Workplace Relations

LMF40308 Certificate IV in Musical Instrument Making and Repair

Revision Number: 1

LMF40308 Certificate IV in Musical Instrument Making and Repair

Modification History

Not applicable.

Description

This qualification describes the skills and knowledge required to perform manufacture and repair of a wide range of musical instruments, including design, materials selection/purchase and related business skills.

Job roles/employment outcomes

The LMF40308 Certificate IV in Musical Instrument Making and Repair reflects vocational outcomes for those performing a broad range of skilled applications in musical instrument making and repair including requirements to evaluate and analyse current practices, develop new criteria and procedures for performing current practices, and provision of some leadership and guidance to others in the application and planning of the skills

Application

This qualification is typically used to develop skills and a breadth, depth and complexity of knowledge in musical instrument making and repair techniques and processes that cover a broad range of varied activities or applications in a wide variety of contexts, most of which are complex and non-routine. Leadership and guidance would be involved when organising self and others as well as contributing to technical solutions of a non-routine or contingency nature.

Pathways into the qualification

This qualification may be accessed by direct entry. Credit can be granted towards this qualification by those who have completed LMF31408 Certificate III in Musical Instrument Making and Repair or achieved equivalent industry experience.

Pathways from the qualification

Further training pathways from this qualification may include relevant Furnishing Diploma qualifications 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	- organise and understand information related to work orders, plans and safety procedures - 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 other workers and customers, and the reporting of work outcomes and problems - maintain records related to product and materials quality
Teamwork	work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
Problem-solving	- 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 - identify, anticipate and respond to the impact of the instruments properties on the product (music)
Initiative and enterprise	recognise and respond to circumstances outside instructions or personal competence
Planning and organising	- plan and organise activities including the preparation and layout of own worksite and the obtaining and use of tools and materials to avoid any backtracking, work flow interruptions or wastage during the production cycle - use mathematical ideas and techniques to correctly complete measurements, calculate area and volume, and estimate other material requirements
Self-management	clarify and confirm specified work instructions

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	- 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 - 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 LMF40308 Certificate IV in Musical Instrument Making and Repair, competency must be achieved in **nineteen (19)** units of competency.

- five (5)** core units of competency
- fourteen (14)** 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 **five (5)** units from this list.

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMOPS101A	Make	

Unit code	Unit title	Prerequisites
	measurements	
MSAPMSUP102A	Communicate in the workplace	
MSAPMSUP106A	Work in a team	

ELECTIVE UNITS

Select **fourteen (14)** units from Groups A, B, C and D as specified below with a minimum of **eleven (11)** units in total from Groups A, B and C

Group A

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

Unit code	Unit title	Prerequisites
LMFMI4001A	Repair acoustic guitars	
LMFMI4002A	Repair electric guitars	
LMFMI4003A	Repair special stringed instruments	
LMFMI4004A	Repair stringed instruments	

Group B

Select a minimum of **six (6)** units from Group B.

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

Unit code	Unit title	Prerequisites
	production drawings	
LMFDN4003B	Produce patterns and/or templates	
LMFDN5001B	Generate and transfer complex computer-aided drawings and specifications	
LMFFM4005A	Hand carve wood to custom design	
LMFFM4006A	Construct joints for custom furniture	
LMFFM4007A	Produce curved and shaped components for custom furniture	
LMFFM4008A	Produce timber veneered components for custom furniture	
LMFFT4009B	Match furnishing style/materials to customer requirements	
LMFFT4010B	Identify and calculate production costs	
LMFFT4011B	Purchase materials and consumables	
LMFFT4012B	Prepare a tender submission	
LMFFT5011B	Develop, trial and evaluate prototypes	

Unit code	Unit title	Prerequisites
LMFPPF4002B	Determine and apply gilding techniques	

Group C

Select a maximum of **three (3)** units from Group C

Unit code	Unit title	Prerequisites
BSBSMB401A	Establish legal and risk management requirements of small business	
BSBSMB402A	Plan small business finances	
BSBSMB403A	Market the small business	
BSBSMB404A	Undertake small business planning	
BSBSMB405A	Monitor and manage small business operations	
BSBSMB406A	Manage small business finances	
BSBSMB407A	Manage a small team	
CULMS010B	Contribute to the preservation of cultural material	
CUVCOR04B	Originate concept for own work and conduct critical discourse	
CUVCOR09B	Select and apply	

Unit code	Unit title	Prerequisites
	drawing techniques and media to represent and communicate the concept	
CUVDSP07B	Research and apply techniques for graphic design	
CUVICS04B	Originate and develop a concept	
CUVVSP02B	Research and experiment with techniques to produce calligraphy	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

Group D

Up to **four (4)** relevant units may be chosen from other units not already selected from Group A, B or C (noting maximum 3 from Group C), or units available in this Training Package, other endorsed Training Packages and accredited courses. Those units must be aligned at Certificate III level (maximum 2 units), Certificate IV level or Diploma level (maximum 2 units).

Units selected from other Training Packages and accredited courses via Group D 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.