



**Australian Government**

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

# **LMF30602 Certificate III in Glass and Glazing**

**Revision Number: 1**

## **LMF30602 Certificate III in Glass and Glazing**

### **Modification History**

Not applicable.

## Description

This qualification describes the skills and knowledge required to perform a range of glass and glazing job roles including safely processing, moving and installing various types of glass and handling glass materials and components.

### Job roles/employment outcomes

The LMF30602 Certificate III in Glass and Glazing reflects vocational outcomes for those performing glass and glazing functions in residential and commercial operations and could include manufacturing, processing and installation. Job roles would be 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 a full range of glass and glazing techniques 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 LMF20402 Certificate II in Glass and Glazing with units included in this qualification or achieved equivalent industry experience.

### Pathways from the qualification

Further training pathways from this qualification may include Furnishing Certificate IV or Diploma and relevant supervisory, management or competitive manufacturing qualifications.

### Licensing considerations

Depending on the jurisdiction, licensing or regulatory requirements may apply to the use of some units in this qualification. Licensing of glazing work applies in Queensland, NSW and South Australia. 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 written documents, forms and timesheets</li> <li>• use communication technologies efficiently</li> <li>• communicate production abnormalities</li> <li>• demonstrate effective and appropriate communication and interpersonal skills when dealing with people from a range of backgrounds</li> <li>• read, interpret and communicate production schedules</li> <li>• communicate with all team members</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>• keep team members informed of changes to work practices</li> <li>• identify team performance required to meet customer needs</li> <li>• provide leadership to others in the team</li> <li>• encourage the sharing of information between team members</li> <li>• plan and support team activities</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• identify and report problems and make contributions to their solution</li> <li>• investigate problem causes</li> <li>• implement changes</li> <li>• examine tools for damage, missing components or other defects</li> <li>• identify and promptly address problems or issues</li> <li>• assess quality of work pieces</li> <li>• determine effective work practices</li> <li>• provide problem solving support to team members</li> <li>• problem solve machine operational and maintenance requirements</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• seek and provide feedback on procedures</li> <li>• gather and analyse information</li> <li>• record information on the quality and other indicators of production performance</li> <li>• adjust and implement production schedules changes</li> <li>• provide leadership</li> <li>• identify and implement process improvements</li> <li>• coordinate work activities and manufacturing processes</li> </ul>

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
	<ul style="list-style-type: none"> <li>• monitor workplace performance</li> <li>• use analytical and decision making skills</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• identify hazards and implement appropriate hazard control measures</li> <li>• organise self and others to meet production schedules</li> <li>• identify and rectify stock shortages in advance</li> <li>• sequence work to maximise safety and productivity</li> <li>• select and use appropriate tools and equipment</li> <li>• determine materials, quality and production requirements</li> <li>• apply time management skills to ensure work flow</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>• conduct regular housekeeping activities</li> <li>• understand own work activities</li> <li>• manage own time and establish own work schedule</li> <li>• develop and implement workplace procedures and instructions</li> <li>• locate, interpret and apply information relevant to own work</li> <li>• monitor and evaluate own work quality</li> <li>• accept responsibility for quality of work</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• develop learning activities as appropriate</li> <li>• assess competencies in meeting job requirements</li> <li>• identify own training needs and seek skill development if required</li> <li>• listen to feedback from others</li> <li>• identify sources of information to expand knowledge and understanding</li> <li>• identify and address skill development needs of others in the team</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• use software applications effectively</li> <li>• properly start up, operate and shut down computers</li> <li>• work with technology safely and according to workplace standards</li> <li>• establish procedures</li> <li>• carry out pre-operational checks on equipment and machines</li> <li>• operate equipment and machines safely, efficiently and to productivity requirements</li> <li>• monitor and adjust machine functions</li> <li>• perform machine maintenance as determined by workplace procedures</li> <li>• clean and check equipment and machines</li> </ul>

## Packaging Rules

### Packaging Rules

To be awarded the LMF30602 Certificate III in Glass and Glazing, competency must be achieved in **twenty-four (24)** units of competency.

- **fourteen (14)** core units of competency
- **ten (10)** 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

Select all **fourteen (14)** units from this list:

Unit code	Unit title	Prerequisites
LMFGG2001B	Use glass and glazing sector hand and power tools	
LMFGG2002B	Apply First Aid	
LMFGG2003B	Operate glass freefall rack and Table	
LMFGG2004B	Process thin glass by hand	
LMFGG2005B	Move glass sheets by hand	
LMFGG2007B	Process glass by basic machines	
LMFGG2008B	Glaze/reglaze residential windows and doors	
LMFGG3002B	Assess glass and glazing requirements	
LMFGG3004B	Process thick glass by hand	

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMOPS101A	Make measurements	
MSAPMSUP102A	Communicate in the workplace	
MSAPMSUP106A	Work in a team	

## ELECTIVE UNITS

Select a maximum of **ten (10)** elective units from Groups A and B as specified below.

### Group A

A minimum of **six (6)** units must be chosen from Group A

Unit code	Unit title	Prerequisites
LMFGG2006B	Move single glass sheets by mechanical means	
LMFGG2009B	Fabricate and assemble metal frames	
LMFGG2010B	Fabricate and install insect and security screens	
LMFGG3001B	Store and handle glass	
LMFGG3003B	Move block/bulk glass sheet by mechanical means	
LMFGG3005B	Process glass by semi-automatic and automatic machines	
LMFGG3006B	Apply film to glass	



Unit code	Unit title	Prerequisites
LMFGG3007B	Form glass	
LMFGG3008B	Apply patterns and designs to glass	
LMFGG3009B	Set up and operate glass laminating equipment	
LMFGG3010B	Set up and operate glass toughening equipment	
LMFGG3011B	Set up and operate glass silvering equipment	
LMFGG3012B	Set up and operate insulated glass unit manufacturing equipment	
LMFGG3013B	Construct and repair leadlight panels	
LMFGG3014B	Prepare and install mirrors	
LMFGG3015B	Fabricate and install shower screens and wardrobe doors	
LMFGG3016B	Fabricate and install residential windows and doors	
LMFGG3017B	Fabricate and install commercial glazing	
LMFGG3018B	Prepare and install architectural engineered glazing	
LMFGG3019B	Conduct commercial and structural glazing	

### Group B

Up to a maximum of **four (4)** electives may be chosen from those not already selected from Group A, other 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 4 units) or Certificate IV level (maximum 1 unit).

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