



Australian Government

MSA10107 Certificate I in Manufacturing (Pathways)

Release 2

MSA10107 Certificate I in Manufacturing (Pathways)

Modification History

Release 2 - imported LMF units superseded and replaced with equivalent MSF units

Description

The Certificate I in Industry (Pathways) is designed to develop both skills that are essential for employment and skills that relate directly to a **work activity as specified in the core technical unit**. The units chosen **must** provide practical skills that are relevant and useful to the area in which the person hopes to gain employment or is currently working. The group of units should be chosen to support the project and should incorporate both the technical and employability skills needed for work.

Completion of a *Certificate I in Manufacturing (Pathways)* should provide the student with a set of competencies that collectively open up pathways into employment and/or further study.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

MSA10107 Certificate I in Manufacturing (Pathways)

The following table contains a summary of the Employability Skills required for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • complete all reporting as required • report anything unusual • alert the appropriate individuals • record results • complete logs and reports • record the result • receive and relay oral and written messages • interpret oral or written messages • respond to information • complete workplace forms
Teamwork	<ul style="list-style-type: none"> • working as part of a work team • role of individual in organisational structure • individual role in achieving section/team, plant and company objectives • work in a team • identify individual tasks that are part of the team requirement
Problem solving	<ul style="list-style-type: none"> • recognise common problems • identify problems and take required action • respond to routine problems
Initiative and enterprise	<ul style="list-style-type: none"> • take appropriate corrective action • select appropriate equipment • identify units to be used • distinguish between urgent and non-urgent tasks
Planning and organising	<ul style="list-style-type: none"> • organise relevant equipment and tools • organise requests and tasks • planning workplace procedures, scheduling and performance • plan own work • plan and organise activities • organise daily work plan
Self-management	<ul style="list-style-type: none"> • find out what is required for the job

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<ul style="list-style-type: none"> • recognise a situation requiring action • implement within appropriate time constraints • complete own work activities • identify task requirements and work role • plan own work • meet time lines • seek assistance from other team members where appropriate
Learning	<ul style="list-style-type: none"> • recognise anything unusual • self-check numerical information • clarify cleaning duties • ask questions of appropriate person • seek advice from relevant personnel
Technology	<ul style="list-style-type: none"> • use equipment • turn equipment on and off as required by procedures • monitor equipment • make measurements • use computer system • use measuring devices

Packaging Rules

To be awarded a Certificate I in Manufacturing (Pathways), competency must be achieved in **nine (9)** units of competency:

- **three (3)** core units of competency
- **six (6)** elective units of competency, three (3) of which may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

*Note that the industry/technical units coded MSAPCII are designed for use only in a Pathways qualification or skills set. They should not be used in other instances as replacements for units that have direct job outcomes.

Core units of competency

Select all **three (3)** units from the following list.

Unit code	Unit title
MSAPCII01A	Adapt to work requirements in industry

Unit code	Unit title
MSAPCI102A	Apply effective work practices
MSAPCI103A	Demonstrate care and apply safe practices at work

Elective units of competency

Group A - Industry/technical units*

Select a maximum of **one (1)** unit from the following list.

Unit code	Unit title
MSAPCII296A	Make a small furniture item from timber
MSAPCII297A	Make an object from cloth using an existing pattern
MSAPCII298A	Make an object from metal
MSAPCII299A	Make an object from plastic

Group B - Other elective units

Select **five (5)** units from the following list.

Unit code	Unit title
MSFFM1002	Operate basic woodworking machines
MSFFM2001	Use furniture making sector hand and power tools
MSFFM2002	Assemble furnishing components
MSFFM2003	Select and apply hardware
MSFFM2005	Join solid timber
MSFSF1001	Produce basic soft furnishings accessories
MSFSF2001	Cut single layer fabrics
LMTCL2001B	Use a sewing machine
LMTCL2003B	Identify fibres and fabrics
LMTCL2006B	Press work

LMTCL2007B	Lay up, mark and cut uncomplicated fabrics and lays
LMTCL2008B	Finish garment production
MEM03001B	Perform manual production assembly
MEM05007C	Perform manual heating and thermal cutting
MEM05012C	Perform routine manual metal arc welding
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MSAPMOPS100A	Use equipment
MSAPMOPS101A	Make measurements
MSAPMOPS102A	Perform tasks to support production
MSAPMOPS244A	Layout and cut materials
PMBFIN201C	Finish products and components
PMBFIN205C	Hand decorate products
PMBPREP205C	Assemble materials and equipment for production
PMBPREP206C	Prepare materials to formulae
PMBPROD236C	Operate hand held air/power equipment for production processes
PMBPROD240C	Cut materials

A maximum of three (3) relevant units can be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate I or II.

The elective unit(s) from another Training Package must relate to the core function/role of the selected industry/technical unit.