



Australian Government

Department of Education, Employment and Workplace Relations

MSA21108 Certificate II in Competitive Manufacturing

Revision Number: 2

MSA21108 Certificate II in Competitive Manufacturing

Modification History

This qualification has been superseded by MSS20312 Certificate II in Competitive Systems and Practices from MSS11v2 Sustainability Training Package.
Equivalent outcomes.

Description

The Competitive Manufacturing units of competency are categorised into three groups:

- Systems units
- Change/interpersonal units
- Tools units.

Licensing considerations

There are no specific licenses that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. 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

MSA21108 Certificate II in Competitive Manufacturing

The following table contains a summary of the employability skills as identified by industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that reflect skill requirements for this level.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• Access and apply OHS procedures and related safety information • Complete, access and interpret standardised documentation • Share and discuss information with others about work activities • Access and apply workplace procedures • Ask questions to increase understanding about workplace procedures • Read and interpret instructions, specifications, standard operating procedures and other work related documents • Seek assistance or information from relevant personnel or supervisors • Debrief on workplace changes with relevant stakeholders • Record production or other work related information • Access and use workplace communication tools and equipment • Apply numeracy skills to work procedures
Teamwork	• Identify roles of other work colleagues including formal team members where teamwork is used as the form of work organisation • Work effectively with others in a production environment • Share production or work related information with peers including team members, supervisors and management • Identify hazards to self and other team members • Recognise the value chain and how team members contribute to the final quality of the product • Review changes to work practices and work relationships with team leader • Seek assistance with work operations as required
Problem solving	• Monitor workplace activities • Report inconsistencies, non-compliances, faults or hazards • Identify factors that are a constraint to work efficiency or reaching of production outcomes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	• Distinguish between essential and non-essential practices • Recommend methods of increasing features/benefits of products or processes • Monitor the job and make improvements • Note steps which cause a problem • Improve OHS • Compare required performance with actual performance • Identify situations where compliance to specifications or safety standards is unlikely • Recommend improvements • Distinguish between random and identifiable causes of work problems • Identify causes of identified faults and take appropriate action • Investigate causes of quality deviations • Undertake root cause analysis • Identify deviations and patterns
Initiative and enterprise	• Provide feedback on procedures and systems • Report problems, implications or suggestions for improvements • Adjust work activity according to changes in work requirements • Take correct action and follow procedures • Identify methods of increasing own contribution to the value chain • Recommend changes and improvements • Take action to make improvements • Adopt changes • Monitor actions to ensure cost efficiency • Apply 5S procedures • Apply work practices to reduce waste
Planning and organising	• Plan own work to meet required standards • Ensure the work area complies with OHS procedures • Organise processes, tools and materials • Make improvements in accordance with procedures • Monitor and adjust production/process • Distinguish between essential and non-essential practices • Set the workplace in order • Use planning tools • Apply 5S procedures • Determine and prioritise required actions • Collect and organise information from work activity
Self-management	• Conduct all work activities according to safety and workplace

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	standards • Maintain housekeeping standards • Achieve production outcomes • Monitor own work performance • Interpret data and information as required by own job • Ask questions to ensure understanding of own work requirements • Recommend methods of increasing own contribution to the value chain • Adjust work processes according to procedures • Identify and manage impacts in own work area • Monitor resource use and minimise waste in own work activity • Keep the workplace clean and tidy • Assess own work
Learning	• Attend skill development training • Adapt to changing work requirements • Ask questions to aid learning • Identify own skill requirements • Seek skills development and training to meet needs • Identify personal skill gaps and additional skills needs • Ask questions to ensure understanding of own work requirements • Monitor own work and identify areas for improvement • Seek feedback on work performance
Technology	• Work with technology safely and according to workplace standards • Identify equipment appropriate for job and skill level • Handle and use equipment correctly and safely and within skill level • Assess operational efficiency of technology within own skill level • Recognise and report faulty operation of equipment • Collect and apply data and information from technology • Use information technology appropriate for job • Apply maintenance procedures appropriate to job and skill level

Packaging Rules

Packaging Rules

To be awarded the Certificate II in Competitive Manufacturing, competency must be achieved in **ten (10)** units of competency.

- **two (2)** core units of competency
- **eight (8)** elective units of competency, five (5) of which may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

Core units of competency

- Complete all two (2) units from the following list.

Unit code	Unit title
MSACMC210A	Manage the impact of change on own work; and
MSAPMOHS200A	Work safely

Elective units of competency**Group A -Systems**

- Select **one (1)** unit from the following list.

Unit code	Unit title
MSACMS200A	Apply competitive manufacturing practices
MSACMS201A	Sustain process improvements

Group B - Other electives

- Select a minimum of **two (2)** units from the following list.

Unit code	Unit title
MSACMS200A	Apply competitive manufacturing practices (if not selected from Group A)
MSACMS201A	Sustain process improvements (if not selected from Group A)
MSACMT221A	Apply Just in Time (JIT) procedures

Unit code	Unit title
MSACMT230A	Apply cost factors to work practices
MSACMT231A	Interpret product costs in terms of customer requirements
MSACMT240A	Implement 5S procedures in a manufacturing environment
MSACMT250A	Monitor process capability
MSACMT251A	Apply quality standards
MSACMT260A	Use planning software systems in manufacturing
MSACMT261A	Use SCADA systems in manufacturing
MSACMT270A	Use sustainable energy practices
MSACMT271A	Use sustainable environmental practices
MSACMT280A	Undertake basic root cause analysis
MSACMT281A	Apply proactive maintenance strategy

Group C - Balance of units

The balance of units, to a maximum of **five (5)** may be selected from any combination of:

- Group B units, listed above, not already selected
- relevant units in this Training Package, other endorsed Training Packages and accredited courses, where units are available for inclusion at Certificate II.
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Packaging Rules