AUM45108 Certificate IV in Automotive Manufacturing (Bus/Truck/Trailer)

Revision Number: 1

AUM45108 Certificate IV in Automotive Manufacturing (Bus/Truck/Trailer)

Modification History

Not applicable.

Description

Qualification Notes

This qualification allows individuals to develop skills and knowledge to become specialist within the automotive manufacturing sector. They may undertake a range of complex and non-routine tasks, with accountability for the quality of outcomes. The range of technical skills and knowledge is proficient and leadership for others would be expected.

This qualification is a post-trade level qualification in the industry.
It is designed for a range of specialised functions in the bus/truck/trailer manufacturing area of the industry.

Entry requirements

As an entry requirement, individuals must hold the AUM35108 Certificate III in Automotive Manufacturing (Bus/Truck/Trailer) prior to attempting this qualification, or be able to demonstrate equivalent competencies.

Licensing, legislative, regulatory or certification considerations

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, where required, a unit of competency will specify relevant licensing, legislative and/or regulatory requirements that impact on the unit.

Packaging Rules

To be awarded the Certificate IV in Automotive Manufacturing (Bus/Truck/Trailer), competency must be achieved in **fourteen** (**14**) units of competency:

* **four** (**4**) core units of competency
* **ten** (**10**) elective units of competency, as specified below.

Note: Where prerequisite units apply, these must be considered in the total number of units chosen.

Core units of competency

Unit code	Unit title	Prerequisites
AUM3401B	Plan and organise production	
MSACMC410A	Lead change in a manufacturing environment	
MSACMS401A	Ensure process improvements are sustained	
MSACMT251A	Apply quality	

Unit code	Unit title	Prerequisites
	standards	

Elective units of competency

- Select **ten** (**10**) units of competency from this list.

Unit code	Unit title	Prerequisites
AUM2901B	Develop and produce documentation and procedures	
AUM3003B	Document designs	
AUM5301B	Produce drawings manually	
AUM5403B	Produce computer-aided drawings (CAD)	
AUM8012B	Prepare and document quotation	
AUM8032B	Control stock	
AUM8121B	Conduct final inspections and functional tests	
AUM8122B	Conduct simulated or road performance test	
AUM8123B	Conduct welding inspection	
AUM8141B	Prepare new product designs	
MSACMS200A	Apply competitive manufacturing practices	

Unit code	Unit title	Prerequisites
MSACMS201A	Sustain process improvements	
MSACMT220A	Apply quick changeover procedures	
MSACMT230A	Apply cost factors to work practices	
MSACMT231A	Interpret product costs in terms of customer requirements	
MSACMT250A	Monitor process capability	
MSACMT260A	Use planning software systems in manufacturing	
MSACMT261A	Use SCADA systems in manufacturing	
MSACMT280A	Undertake root cause analysis	
MSACMT421A	Facilitate a Just In Time (JIT) system	
MSACMT430A	Improve cost factors in work practices	
MSACMT432A	Analyse manual handling processes	
MSACMT440A	Lead 5S in a manufacturing environment	
MSACMT450A	Undertake process capability improvements	MSACMT452A

Unit code	Unit title	Prerequisites
MSACMT451A	Mistake proof a production process	
MSACMT452A	Apply statistics to processes in manufacturing	
MSACMT460A	Facilitate the use of planning software systems in manufacturing	MSACMT260A
MSACMT461A	Facilitate SCADA systems in manufacturing team or work area	MSACMT261A
MSACMT481A	Undertake proactive maintenance analyses	
MSACMT482A	Assist in implementing a proactive maintenance strategy	
MSAENV272B	Participate in environmentally sustainable work practices	
MSAENV472B	Implement and monitor environmentally sustainable work practices	
Up to **two** (**2**) elective units may be selected from this Training Package, other endorsed Training Packages or accredited courses, where they are available at Certificate III, IV or Diploma.		

Pathways Information

Not applicable.

Licensing/Regulatory Information

Licensing, **legislative**, **regulatory or certification considerations**
There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, where required, a unit of competency will specify relevant licensing, legislative and/or regulatory requirements that impact on the unit.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
The following table contains a summary of the Employability Skills required by industry 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	• gathering, conveying and receiving verbal and written information • communicating ideas and information to enable confirmation of work requirements and specifications
Teamwork	• working with colleagues and supervisors to produce workplace documents • understanding dependencies in teams and using cooperative approaches
Problem solving	• using checking techniques to anticipate problems and avoid interruptions to work flows or processes
Initiative and enterprise	• applying best practice work processes within the organisation • being proactive in overcoming work blockages
Planning and organising	• planning and organising activities to ensure tasks are completed on time
Self-management	• behaving in ways that contribute to an effective and safe working environment • identifying own roles and responsibilities • satisfying competency requirements for the job
Learning	• listening to ideas and opinions of other members of the team • seeking learning opportunities
Technology	• operating a range of workplace technology related to tools, equipment and measuring devices • identifying and responding to equipment faults

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Note: Where prerequisite units apply, these must be considered in the total number of units chosen.

Core units of competency

Unit code	Unit title	Prerequisites
AUM3401B	Plan and organise production	
MSACMC410A	Lead change in a manufacturing environment	
MSACMS401A	Ensure process improvements are sustained	
MSACMT251A	Apply quality standards	

Elective units of competency

- Select **ten** (**10**) units of competency from this list.

Unit code	Unit title	Prerequisites

Unit code	Unit title	Prerequisites
AUM2901B	Develop and produce documentation and procedures	
AUM3003B	Document designs	
AUM5301B	Produce drawings manually	
AUM5403B	Produce computer-aided drawings (CAD)	
AUM8012B	Prepare and document quotation	
AUM8032B	Control stock	
AUM8121B	Conduct final inspections and functional tests	
AUM8122B	Conduct simulated or road performance test	
AUM8123B	Conduct welding inspection	
AUM8141B	Prepare new product designs	
MSACMS200A	Apply competitive manufacturing practices	
MSACMS201A	Sustain process improvements	
MSACMT220A	Apply quick changeover procedures	
MSACMT230A	Apply cost factors to work practices	

Unit code	Unit title	Prerequisites
MSACMT231A	Interpret product costs in terms of customer requirements	
MSACMT250A	Monitor process capability	
MSACMT260A	Use planning software systems in manufacturing	
MSACMT261A	Use SCADA systems in manufacturing	
MSACMT280A	Undertake root cause analysis	
MSACMT421A	Facilitate a Just In Time (JIT) system	
MSACMT430A	Improve cost factors in work practices	
MSACMT432A	Analyse manual handling processes	
MSACMT440A	Lead 5S in a manufacturing environment	
MSACMT450A	Undertake process capability improvements	MSACMT452A
MSACMT451A	Mistake proof a production process	
MSACMT452A	Apply statistics to processes in manufacturing	
MSACMT460A	Facilitate the use of planning software systems in	MSACMT260A

Unit code	Unit title	Prerequisites
	manufacturing	
MSACMT461A	Facilitate SCADA systems in manufacturing team or work area	MSACMT261A
MSACMT481A	Undertake proactive maintenance analyses	
MSACMT482A	Assist in implementing a proactive maintenance strategy	
MSAENV272B	Participate in environmentally sustainable work practices	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

Up to **two** (**2**) elective units may be selected from this Training Package, other endorsed Training Packages or accredited courses, where they are available at Certificate III, IV or Diploma.

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