



Australian Government

Department of Education, Employment and Workplace Relations

AUM30112 Certificate III in Automotive Manufacturing Technical Operations – Passenger Motor Vehicle

Release: 1

AUM30112 Certificate III in Automotive Manufacturing Technical Operations – Passenger Motor Vehicle

Modification History

AUM30112 Release 1 - replaces AUM30108 Certificate III in Automotive Manufacturing - Manufacturing Specialist (Passenger Motor Vehicle)

Description

This qualification covers the skills and knowledge required to fulfil passenger vehicle production roles in the automotive manufacturing industry. This may include performing a range of supervisory or specialist roles such as quality specialist, process specialist, team leader or production supervisor. It is suitable for entry into the automotive manufacturing industry.

Job roles or employment outcomes

The Certificate III in Automotive Manufacturing, Technical Operations – Passenger Motor Vehicle is intended to prepare new employees or recognise and develop existing workers who are involved in the manufacture of passenger motor vehicles.

Job roles related to this qualification may include:

- Product/Component Assembler
- Vehicle Body Assembler
- Vehicle Production Worker
- Team Leader/Production Supervisor
- Quality Specialist
- Process Specialist

Application

This qualification is suitable for an Australian Traineeship pathway.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Pathways into this qualification would normally be from an AUM20112 Certificate II in Automotive Manufacturing Production – Passenger Motor Vehicle or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUM40112 Certificate IV in Automotive Manufacturing or other relevant qualifications.

Licensing/Regulatory Information

There are no specific licences 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.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills as identified by the automotive manufacturing 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	<ul style="list-style-type: none"> • clearly communicating workplace information and ideas with workplace colleagues (verbal and non-verbal), including use of automotive terms • completing workplace reports • using and contributing to workplace procedures • maintaining workplace records • communicating with colleagues and clients to handle verbal enquiries, such as clarifying instructions and responding to requests for information • interpreting the needs of customers • reading and interpreting workplace related documentation
Teamwork	<ul style="list-style-type: none"> • identifying and describing own role and role of others • working within a team • working with diverse individuals and groups • applying knowledge of own role to complete activities efficiently to support team activities and tasks
Problem solving	<ul style="list-style-type: none"> • recognising a workplace problem or a potential problem and taking action • determining problems needing priority action • referring problems outside area of responsibility to appropriate person and suggesting possible causes • seeking information and assistance as required to solve problems • using a range of problem-solving techniques • taking action to resolve concerns • developing practical responses to common breakdowns in workplace systems and procedures
Initiative and enterprise	<ul style="list-style-type: none"> • adapting to new and emerging situations in the workplace • being proactive and creative in responding to workplace problems, changes and challenges
Planning and organising	<ul style="list-style-type: none"> • planning own work requirements and prioritising actions to achieve required outcomes and to ensure tasks are completed on time • identifying risk factors and taking action to minimise risk

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Self-management	<ul style="list-style-type: none">• selecting and using appropriate equipment, materials, processes and procedures• recognising limitations and seeking timely advice• planning own work requirements, setting own work program and managing time to ensure tasks are completed on time• following workplace documentation, such as codes of practice or operating procedures
Learning	<ul style="list-style-type: none">• asking questions to gain information• identifying sources of information, assistance and expert knowledge to expand knowledge, skills and understanding• participating in self-improvement activities• participating in development of workplace continuous improvement strategies• helping others develop competency
Technology	<ul style="list-style-type: none">• operating diagnostic and test equipment• performance testing of components, systems and equipment• using tools and equipment efficiently and safely• storing and caring for components, parts, tools, test equipment and support equipment• using business technology to collect, analyse and provide information

Packaging Rules

To achieve this qualification, competency must be demonstrated in **10 units** of competency, consisting of:

- **6 core units**

plus

- **4 elective units** of which:
 - all elective units may be chosen from the elective units listed below
 - up to 2 elective units may be chosen from a Certificate II qualification or above in this Training Package, another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit selected for this qualification

Core units

Unit code	Unit title
Common - Health and Safety - Manufacture	
AUMASM3001	Maintain a safe automotive manufacturing work environment
Passenger Vehicle - Teamwork, Supervision and Management - Manufacture	
AUMFMM3001	Reduce cycle time in work processes
AUMFMM3002	Reduce waste in work processes
Passenger Vehicle - Quality - Manufacture	
AUMFQM3002	Sustain quality standards
Bus, Truck and Trailer - Teamwork, Supervision and Management - Manufacture	
AUMGMM3001	Contribute to workplace relationships and processes
Bus, Truck and Trailer - Quality	
AUMGQA3001	Inspect work and apply organisation technical quality standards

Elective units

Unit code	Unit title
Common - Teamwork, Supervision and Management - Manufacture	
AUMAMM3001	Influence and lead work groups in an automotive manufacturing

Unit code	Unit title
	environment

Unit code	Unit title
Common - Technical	
AUMATA3003	Rectify faults in vehicle metal components
AUMATA3004	Rectify mechanical faults on assembled vehicles
AUMATA3005	Rectify assembly faults in assembled vehicles
Common - Technical - Engines	
AUMATE3001	Rework production engines
Common - Technical - Body	
AUMATN3001	Conduct structural rectification of vehicle bodies
Common - Technical - Paint	
AUMATP3001	Rectify paintwork
AUMATP3002	Control paint line production processes
Common - Technical - Electrical and Electronic	
AUMATR3001	Rectify electrical faults on assembled vehicles
Common - Technical - Welding, Grinding, Machining and Soldering	
AUMATW3001	Test welds ultrasonically
Passenger Vehicle - Quality - Manufacture	
AUMFQM3003	Apply visual factory principles and practices to an automotive manufacturing environment
Passenger Vehicle - Technical	
AUMFTA3002	Conduct die coating
AUMFTA3003	Conduct tool setting
AUMFTA3004	Monitor and maintain metals treatment plant operations
Passenger Vehicle - Technical - Engines	
AUMFTE3001	Conduct engine hot test

Unit code	Unit title
Passenger Vehicle - Technical - Manufacture	
AUMFTM3001	Undertake preliminary fault finding and machine reset
Bus, Truck and Trailer - Teamwork, Supervision and Management	
AUMGMA3001	Participate in workplace productivity
Bus, Truck and Trailer - Technical - Manufacture	
AUMGTM3005	Read and interpret engineering drawings and job specifications
Imported units	
AURC272003A	Apply environmental regulations and best practice in a workplace or business
BSBCM311B	Maintain workplace safety
BSBDIV301A	Work effectively with diversity
BSBINM301A	Organise workplace information
BSBINM302A	Utilise a knowledge management system
BSBINN301A	Promote innovation in a team environment
MSACMC210A	Manage the impact of change on own work
MSACMS200A	Apply competitive manufacturing practices
MSACMS201A	Sustain process improvements
MSACMT220A	Apply quick changeover procedures
MSACMT221A	Apply Just in Time (JIT) procedures
MSACMT230A	Apply cost factors to work practices
MSACMT231A	Interpret product costs in terms of customer requirements
MSACMT240A	Apply 5S procedures in a manufacturing environment
MSACMT482A	Assist in implementing a proactive maintenance strategy
MSAPMSUP390A	Use structured problem solving tools

Unit code	Unit title
MSL973001A	Perform basic tests
MSL973007A	Perform microscopic examination
TLIA3017A	Identify products and store to specifications
TLIA3023A	Coordinate stocktakes
TLIA4028A	Assess and monitor optimum stock levels

Custom Content Section

Not applicable.