



Australian Government

Department of Education, Employment and Workplace Relations

AUM30212 Certificate III in Automotive Manufacturing Technical Operations – Bus, Truck and Trailer

Release: 1

AUM30212 Certificate III in Automotive Manufacturing Technical Operations – Bus, Truck and Trailer

Modification History

AUM30212 Release 1 - replaces AUM35108 Certificate III in Automotive Manufacturing (Bus, Truck and Trailer)

Description

This qualification covers the skills and knowledge required in the manufacture of automotive bodies. It is suitable for entry into the vehicle manufacturing bus, truck and trailer industry.

Job roles or employment outcomes

The Certificate III in Automotive Manufacturing Technical Operations – Bus, Truck and Trailer is intended to prepare new employees or recognise and develop existing workers who manufacture vehicles.

Job roles related to this qualification may include:

- Automotive Manufacturing Technician
- Vehicle Body Builder Technician
- Coach Builder Technician
- Sub Assembly Technician

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Pathways into this qualification would normally be from AUM20212 Certificate II in Automotive Manufacturing Production – Bus, Truck and Trailer 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

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Employability Skill	Industry/enterprise requirements for this qualification include:
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 **28 units** of competency, consisting of:

- **11 core units**

plus

- **17 elective units**, of which:
- all elective units may be chosen from the elective units listed below
 - up to 5 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	
AUMASA2001	Monitor and maintain a safe workplace and environment
Common - Technical - Tools and Equipment	
AUMATK2002	Prepare, use and operate equipment, tools and machinery
AUMATK3003	Monitor and maintain equipment, tools and machinery
Bus, Truck and Trailer - Regulatory or Legal - Manufacture	
AUMGLM3001	Comply with heavy vehicle modification 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
Bus, Truck and Trailer - Technical	
AUMGTA2001	Read and interpret working drawings and work orders
Bus, Truck and Trailer - Technical - Manufacture	
AUMGTM3005	Read and interpret engineering drawings and job specifications
Bus, Truck and Trailer - Technical - Welding, Grinding, Machining and Soldering	

Unit code	Unit title
AUMGTW3001	Conduct basic welding, thermal cutting, heating and gouging operations
AUMGTW3002	Conduct mechanical cutting operations
Imported units	
AURC270789A	Communicate effectively in the workplace

Elective units

Unit code	Unit title
Common - Support and Logistics	
AUMABA3002	Operate load shifting equipment
Bus, Truck and Trailer - Sales	
AUMGCA2001	Provide customer service
Bus, Truck and Trailer - Teamwork, Supervision and Management	
AUMGMA3001	Participate in workplace productivity
Bus, Truck and Trailer - Technical	
AUMGTA3002	Service after assembly
Bus, Truck and Trailer - Technical - Brakes	
AUMGTB3001	Assemble and install braking system kit
Bus, Truck and Trailer -Technical - Steering and Suspension	
AUMGTD3001	Perform wheel alignment operations
Bus, Truck and Trailer - Technical - Glazing	
AUMGTG3001	Install fixed and moveable glass components
Bus, Truck and Trailer - Technical - Manufacture	
AUMGTM2001	Assemble components
AUMGTM2004	Install and fit out components

Unit code	Unit title
AUMGTM3002	Assemble frame and axle
AUMGTM3003	Install or replace mechanical units and assemblies
AUMGTM3006	Assemble and install hydraulic system kit
AUMGTM3007	Assemble and install pneumatic system kit
AUMGTM3008	Bond and repair components using fibreglass reinforced plastic techniques
Bus, Truck and Trailer - Technical - Body	
AUMGTN3001	Rectify and replace vehicle body panels and ancillary fittings
Bus, Truck and Trailer - Technical - Paint	
AUMGTP3001	Finish surfaces for painting
AUMGTP3002	Rework paint faults
Bus, Truck and Trailer - Technical - Electrical and Electronic	
AUMGTR3001	Install or replace electrical and electronic units and assemblies
AUMGTR3002	Manufacture or modify wiring harnesses
AUMGTR3003	Perform minor modifications and repairs to electrical circuits and systems
Bus, Truck and Trailer - Technical - Fabrication	
AUMGTS3001	Prepare materials for fabrication using jigs and fixtures
AUMGTS3002	Prepare materials for fabrication using manual processes
AUMGTS3003	Fabricate plugs
AUMGTS3004	Fabricate parts for sub-assemblies
Bus, Truck and Trailer - Technical - Trimming and Upholstery	
AUMGTT2001	Apply trim to components
Bus, Truck and Trailer - Technical - Welding, Grinding, Machining and Soldering	
AUMGTW3003	Perform manual metal arc welding operations

Unit code	Unit title
AUMGTW3004	Perform gas tungsten arc welding operations
AUMGTW3005	Perform gas metal arc welding operations
AUMGTW3006	Machine parts
Bus, Truck and Trailer - Technical - Chassis and Frame	
AUMGTY3001	Paint chassis or panels
AUMGTY3002	Mount and install assembled component to chassis or frame
AUMGTY3003	Modify or rectify chassis and frame and associated components
Imported units	
AURC272003A	Apply environmental regulations and best practice in a workplace or business
AURT211170A	Inspect and service air braking systems
AURT216130A	Inspect suspension systems
AURT216170A	Inspect and service suspension systems
AURT311166A	Repair air braking systems
AURT411145A	Overhaul air braking systems/components
AURTH316166A	Repair suspension systems (heavy vehicle)
MSACMC210A	Manage the impact of change on own work
MSACMS200A	Apply competitive manufacturing practices
MSACMT280A	Undertake root cause analysis

Custom Content Section

Not applicable.