



Australian Government

Department of Education, Employment and Workplace Relations

AUM40108 Certificate IV in Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)

Release: 1

AUM40108 Certificate IV in Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)

Modification History

Not applicable.

Description

Qualification Notes

This qualification allows individuals to develop post-trade skills and knowledge to become specialists 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 of others would be expected.

Prerequisite requirements

There are no prerequisite requirements for individual units of competency.

Entry requirements

As an entry requirement, individuals must hold a Certificate III in Automotive Manufacturing - Manufacturing Specialist (Passenger Motor Vehicle) 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 - Automotive Development (Passenger Motor Vehicle), competency must be achieved in **ten (10)** elective units of competency:

- a minimum of **four (4)** units of competency from Group A
- a maximum of **six (6)** units of competency from Group B.

There are no core units for this qualification. Units of competency chosen must be different from any achieved in a previous qualification.

Elective units must be relevant to the work outcome, industry requirements and the qualification level. Units selected from other Training Packages must not duplicate units selected from or available within AUM08 Automotive Manufacturing Training Package.

Elective units of competency

Group A - Specialist electives

- a minimum of **four (4)** units of competency must be selected from the list below.
Individuals may select a maximum of **eight (8)** units for specific outcomes.

Unit code	Unit title
AUM4001A	Analyse a test vehicle for research purposes

Unit code	Unit title
AUM4002A	Provide technical advice
AUM4004A	Use measuring equipment
AUM4005A	Use sensors to acquire motor vehicle data for development purposes
AUM4006A	Calibrate measuring equipment in automotive development
AUM4007A	Test plant, tooling, equipment, product or systems
AUM4008A	Install plant, equipment or systems
AUM4009A	Maintain plant, tooling equipment or systems
AUM4010A	Repair plant, tooling equipment or systems
AUM4011A	Manufacture or modify plant, tooling, equipment or systems
AUM4012A	Apply quality assurance techniques
AUM4013A	Interpret manuals, drawings and/or circuits for plant, tooling, equipment or systems
AUM4014A	Program and monitor computerised equipment

Group B - General electives

- select the balance of units, to a maximum of **six (6)**, from the following list.

Unit code	Unit title
AURM441293A	Analyse and repair complex performance driveline systems
AURM441393A	Analyse and repair complex performance fuel systems
AURM441976A	Test engines using a dynamometer
AURT466208A	Carry out diagnosis of complex system faults
AURT477093A	Analyse and evaluate gas fuel system faults
BSBOHS401B	Contribute to the implementation of a systematic approach to managing OHS

Unit code	Unit title
BSBPMG403A	Apply cost management techniques
BSBRKG304B	Maintain business records
BSBRSK401A	Identify risk and apply risk management procedures
ICAU1204B	Locate and use relevant online information
MSAENV472B	Implement and monitor environmentally sustainable work practices
MSAPMSUP390A	Use structured problem solving tools
	Note that up to two (2) of the Group B elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificate III, IV or Diploma.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Licensing, legislative, regulatory or certification considerations

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Entry Requirements

Entry requirements

As an entry requirement, individuals must hold a Certificate III in Automotive Manufacturing - Manufacturing Specialist (Passenger Motor Vehicle) prior to attempting this qualification, or be able to demonstrate equivalent competencies.

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	<ul style="list-style-type: none">gathering, conveying and receiving verbal and written informationcommunicating ideas and information to enable confirmation of work requirements and specifications
Teamwork	<ul style="list-style-type: none">working with colleagues and supervisors to achieve organisation goalsunderstanding dependencies in teams and using cooperative approaches
Problem solving	<ul style="list-style-type: none">using checking techniques to anticipate problems and avoid interruptions to work flows or processes
Initiative and enterprise	<ul style="list-style-type: none">applying best practice work processes within the organisationbeing proactive in overcoming work blockages
Planning and organising	<ul style="list-style-type: none">planning and organising activities to ensure tasks are completed on time
Self-management	<ul style="list-style-type: none">behaving in ways that contribute to an effective and safe working environmentidentifying own roles and responsibilitiessatisfying competency requirements for the job
Learning	<ul style="list-style-type: none">listening to ideas and opinions of other members of the team

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<ul style="list-style-type: none">• seeking learning opportunities
Technology	<ul style="list-style-type: none">• operating a range of workplace technology related to tools, equipment and measuring devices• identifying and responding to equipment faults

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Prerequisite requirements

There are no prerequisite requirements for individual units of competency.

Entry requirements

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Elective units of competency

Group A - Specialist electives

- a minimum of **four (4)** units of competency must be selected from the list below.
Individuals may select a maximum of **eight (8)** units for specific outcomes.

Unit code	Unit title
AUM4001A	Analyse a test vehicle for research purposes
AUM4002A	Provide technical advice
AUM4004A	Use measuring equipment
AUM4005A	Use sensors to acquire motor vehicle data for development purposes
AUM4006A	Calibrate measuring equipment in automotive development
AUM4007A	Test plant, tooling, equipment, product or systems
AUM4008A	Install plant, equipment or systems
AUM4009A	Maintain plant, tooling equipment or systems
AUM4010A	Repair plant, tooling equipment or systems
AUM4011A	Manufacture or modify plant, tooling, equipment or systems
AUM4012A	Apply quality assurance techniques
AUM4013A	Interpret manuals, drawings and/or circuits for plant, tooling, equipment or systems
AUM4014A	Program and monitor computerised equipment

Group B - General electives

- select the balance of units, to a maximum of **six (6)**, from the following list.

Unit code	Unit title
AURM441293A	Analyse and repair complex performance driveline systems
AURM441393A	Analyse and repair complex performance fuel systems

Unit code	Unit title
AURM441976A	Test engines using a dynamometer
AURT466208A	Carry out diagnosis of complex system faults
AURT477093A	Analyse and evaluate gas fuel system faults
BSBOHS401B	Contribute to the implementation of a systematic approach to managing OHS
BSBPMG403A	Apply cost management techniques
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BSBRSK401A	Identify risk and apply risk management procedures
ICAU1204B	Locate and use relevant online information
MSAENV472B	Implement and monitor environmentally sustainable work practices
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	Note that up to two (2) of the Group B elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificate III, IV or Diploma.

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