



Australian Government

Department of Education, Employment and Workplace Relations

AUM50108 Diploma of Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)

Release: 1

AUM50108 Diploma of Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)

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 substantial self direction and judgement. The range of technical skills and knowledge is proficient and leadership for 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 IV in Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle), 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 Diploma of Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle), competency must be achieved in **nine (9)** elective units of competency:

- a minimum of **three (3)** 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

- select a minimum of **three (3)** units and up to a maximum of **six (6)** units from the following list.

| Unit code | Unit title |
|-----------|-------------------------------|
| AUM5001A | Coordinate project activities |

| Unit code | Unit title |
|-----------|---|
| AUM5002A | Establish a test/trial for components of plant, tooling, equipment or systems |
| AUM5003A | Create new product designs |
| AUM5004A | Produce research reports |
| AUM5005A | Develop conceptual models |
| AUM5006A | Seek, evaluate, organise and prepare information |

Group B - General electives

- select a minimum of **three (3)** units and up to a maximum of **six (6)** units from the following list.

| Unit code | Unit title |
|-------------|--|
| AURT570093A | Analyse and evaluate light vehicle steering and suspension and system faults |
| AURT570193A | Analyse and evaluate light vehicle driveline system faults |
| AURT570293A | Analyse and evaluate light vehicle engine and fuel system faults |
| AURT570393A | Analyse and evaluate light vehicle braking system faults |
| AURT575093A | Analyse and evaluate electrical and electronic faults in stability/steering/suspension |
| AURT575193A | Analyse and evaluate electrical and electronic faults in electric over hydraulic systems |
| AURT575293A | Analyse and evaluate electrical and electronic faults in engine management systems |
| AURT575393A | Analyse and evaluate electrical and electronic faults in transmission/driveline systems |
| AURT575493A | Analyse and evaluate electrical and electronic faults in braking systems |
| AURT575593A | Analyse and evaluate electrical and electronic faults in |

| Unit code | Unit title |
|-------------|--|
| | safety systems |
| AURT575693A | Analyse and evaluate electrical and electronic faults in monitoring/protection systems |
| AURT575893A | Analyse and evaluate electrical and electronic faults in convenience and entertainment systems |
| AURT575993A | Analyse and evaluate electrical and electronic faults in theft and deterrent systems |
| AURT576093A | Analyse and evaluate electrical and electronic faults in electric and hybrid vehicle systems |
| AURT576193A | Analyse and evaluate electrical and electronic faults in climate control systems |
| AURT576520A | Develop and apply electrical systems modification |
| AURT576620A | Develop and apply electronic systems modification |
| AURT577120A | Develop and apply gas fuel systems modification |
| AURT577520A | Prepare technical reports |
| BSBOHS501B | Participate in the coordination and maintenance of a systematic approach to managing OHS |
| BSBPMG501A | Manage application of project integrative processes |
| BSBPMG504A | Manage project costs |
| BSBPMG508A | Manage project risk |
| BSBWOR502A | Ensure team effectiveness |
| MSAENV472B | Implement and monitor environmentally sustainable work practices |
| MSAENV672B | Develop workplace policy and procedures for environmental sustainability |
| MSL924002A | Use laboratory application software |
| | 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 IV, |

| Unit code | Unit title |
|-----------|------------------------------|
| | Diploma or Advanced 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 IV in Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle), 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">conducting research to collect and analyse information in a range of reportsconsulting with others to develop a range of plans and reportsliaising with stakeholders and promoting participative workplace arrangementsnegotiating solutions to new and emerging issues |
| Teamwork | <ul style="list-style-type: none">contributing to the development of other team membersproviding feedback on team performance to colleagues and managers |
| Problem solving | <ul style="list-style-type: none">applying risk management processes to business operationsassessing financial viability of new opportunities and matching organisational capability with market needs |
| Initiative and enterprise | <ul style="list-style-type: none">encouraging creative and innovative workplace solutionsidentifying new and emerging opportunities for the business and developing strategies to capitalise on themmanaging, fostering and facilitating change |
| Planning and organising | <ul style="list-style-type: none">developing systems that are flexible and responsive to changing circumstancesplanning for contingencies and performance of staff and systems |

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

| | |
|-----------------|---|
| Self-management | <ul style="list-style-type: none">• dealing with contingencies• managing own time and priorities• taking responsibility as required by work role and ensuring all organisational policies and procedures are adhered to |
| Learning | <ul style="list-style-type: none">• assisting others to acquire new knowledge and skills to improve team and individual performance |
| Technology | <ul style="list-style-type: none">• using electronic communication devices and processes, such as internet, intranet and email, to produce written correspondence and reports• using technology to assist the management of information and to assist the planning process |

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Prerequisite requirements

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Elective units of competency

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| AUM5002A | Establish a test/trial for components of plant, tooling, equipment or systems |
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| AUM5005A | Develop conceptual models |
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|------------------|--|
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| AURT575293A | Analyse and evaluate electrical and electronic faults in engine management systems |
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Packaging Rules