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Australian Government

Department of Education, Employment and Workplace Relations

AUM50112 Diploma of Automotive Manufacturing

Release: 1

AUM50112 Diploma of Automotive Manufacturing

Modification History

AUM50112 Release 1 - replaces AUM50108 Diploma of Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)

Description

This qualification covers the skills and knowledge required to perform a range of specialist roles within the automotive manufacturing sector. This may involve undertaking a range of complex and non-routine tasks with substantial self-direction and judgement including leadership of others.

Job roles or employment outcomes

This qualification is a post-trade level qualification in the automotive manufacturing industry. It is designed for managers and supervisors covering a range of specialised functions in the automotive manufacturing sector.

Job roles related to this qualification may include:

- Line Manager
- Production Manager
- Supervisor

Pathways Information

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

Those undertaking AUM50112 Diploma of Automotive Manufacturing are required to have completed AUM40112 Certificate IV in Automotive Manufacturing, or be able to demonstrate equivalent competence.

Additional qualification advice

Training organisations are advised that in addition to the technical knowledge outlined in the relevant units of competency, any appropriate specialised technical knowledge should be included in any training plan.

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">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
Self-management	<ul style="list-style-type: none">dealing with contingenciesmanaging own time and prioritiestaking 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 reportsusing technology to assist the management of information and to assist the planning process

Packaging Rules

To achieve this qualification, competency must be demonstrated in **9 units** of competency, consisting of:

- **3 elective units** from Group A

plus

- **6 elective units** from Group B, of which:
 - all elective units may be chosen from the elective units listed in Group B below
 - up to 2 units may be drawn from a Certificate IV 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.

Elective units

Group A

Unit code	Unit title
Common - Teamwork, Supervision and Management	
AUMAMA5004	Coordinate project activities
Passenger Vehicle - Technical	
AUMFTA5006	Produce research reports
AUMFTA5007	Seek, evaluate, organise and prepare information
Passenger Vehicle - Technical - Tools and Equipment	
AUMFTK5001	Establish a test and trial for components of plant, tooling, equipment or systems
Passenger Vehicle - Technical - Manufacture	
AUMFTM5002	Create new product designs
AUMFTM5003	Develop conceptual models and prototypes

Group B

Unit code	Unit title
Imported units	

Unit code	Unit title
AURT570093A	Analyse and evaluate light vehicle steering and suspension 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 systems
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 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 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

Unit code	Unit title
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
BSBWOR502B	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

Custom Content Section

Not applicable.