

AWARD IN AUTOMOTIVE MAINTENANCE TECHNICIAN (MAHARA)

Program Description

Level 4 Award in Automotive Maintenance Technician aims to develop learners' practical competence in diagnosing and repairing key automotive systems and performing professional work processes relevant to automotive service and maintenance roles. The program supports the development of applied technical skills across a range of automotive systems, enabling learners to use technical information, tools, and diagnostic equipment effectively. Learners also develop the ability to complete quality checks, documentation, and work activities in line with industry expectations, supporting progression into automotive service and maintenance contexts.

Program Learning Outcomes

Upon successful completion of this program, the graduates will be able to:

1. Prepare for and diagnose automotive system faults
2. Repair and replace automotive systems components
3. Apply workplace health, safety, environmental, and regulatory requirements
4. Use technical information, tools, and diagnostic equipment
5. Complete quality checks, documentation, and professional work processes

Requirements

Completion Requirements

Students seeking the Award in Automotive Maintenance Technician qualification must successfully complete mandatory core 30 credit courses and English non-credit courses.

Code	Title	Credit Hours
AMT 101	Diagnose and Repair Vehicle Petrol Engines	4
AMT 102	Diagnose and Repair Vehicle Steering Systems	4
AMT 103	Diagnose and Repair Vehicle Suspension Systems	4
AMT 104	Diagnose and Repair Vehicle Hydraulic Braking Systems	4
AMT 105	Diagnose and Repair Vehicle Heating, Ventilation, and Air Conditioning (HVAC) Systems	4
AMT 106	Diagnose and Repair Automotive Engine Management Systems	4
AMT 107	Diagnose and Repair Automatic Transmissions	4
AMT 108	Explore the Knowledge and Skills of Codes and Standards in Mechanical Engineering	2
Credit Hours		14
Total Credit Hours		30

Ideal Study Plan

Recommended Sequence of Study

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Year 1		Credit Hours
Semester 1		
AMT 101	Diagnose and Repair Vehicle Petrol Engines	4
AMT 102	Diagnose and Repair Vehicle Steering Systems	4
AMT 103	Diagnose and Repair Vehicle Suspension Systems	4
AMT 104	Diagnose and Repair Vehicle Hydraulic Braking Systems	4
	Credit Hours	16
Semester 2		
AMT 105	Diagnose and Repair Vehicle Heating, Ventilation, and Air Conditioning (HVAC) Systems	4
AMT 106	Diagnose and Repair Automotive Engine Management Systems	4
AMT 107	Diagnose and Repair Automatic Transmissions	4
AMT 108	Explore the Knowledge and Skills of Codes and Standards in Mechanical Engineering	2
	Credit Hours	14
	Total Credit Hours	30