

Automotive Technician Required Competencies

Required Competencies
<p>Preventive Maintenance Inspection <i>Performs preventive maintenance inspection tasks based on shop standards, the vehicle, and the vehicle's usage.</i></p>
<p>Preventive Maintenance Defect Corrections <i>Uses information from a preventive maintenance inspection to recognize and address defects and perform repairs.</i></p>
<p>Diagnosis <i>Appropriately verifies and diagnoses causes of varied issues.</i></p>
<p>Diagnostic Repairs <i>Finds information on how to perform a corrective repair and performs corrective repairs based on diagnosis.</i></p>
<p>Tool Choice, Maintenance, and Care <i>Appropriately uses tools for essential job functions and takes necessary steps to maintain and care for tools.</i></p>
<p>Safety <i>Understands and upholds safe workplace practices in an automotive shop environment.</i></p>
<p>Documentation <i>Appropriately documents work performed based on the complexity of the job</i></p>
<p>Engine Repair <i>Applies theory to diagnose and perform repairs on components of the engine, including mechanical repair and diagnosis, fuel, ignition, and engine management system repair and diagnosis.</i></p>
<p>Transmission/Transaxle Repair <i>Applies theory to diagnose and perform repairs on the mechanical and hydraulic systems as applicable. Performs transmission/transaxle repairs both in and off vehicle.</i></p>
<p>Suspension and Steering Repair <i>Applies theory to diagnose and perform repairs on suspension and steering. Identifies various types of suspension.</i></p>
<p>Tires <i>Diagnoses and performs repairs and replacements on tire and wheel failures/maintenance.</i></p>
<p>Brake Repair <i>Applies theory to diagnose and perform repairs on hydraulic and air brake systems.</i></p>
<p>Electric and Electronic Systems Repair <i>Applies theory to diagnose and perform repairs on electrical and electronic systems, including on the battery, lighting, and body systems.</i></p>
<p>Heating and Air Conditioning Repair <i>Applies theory to diagnose and perform repairs on heating and air conditioning systems, including HVAC, refrigeration, and operating systems.</i></p>

Optional Competency

Welding

Uses basic understanding of a MIG welding machine to set up the machine and do basic welds.