

**Program:**

**Automotive Technology**

**CIP # 470604**

**Program Description:** The Auto program is offered to students serious in pursuing a career in the auto industry. The program is a 540 hour course of study that prepares students for the Automotive Service Excellence (ASE) certification. The Maintenance and Light Repair (MLR) program covers all eight areas of automotive certification. Students may take a high school level MLR- G1 exam. Earning this certification gives students a tremendous advantage as they enter the workforce or postsecondary education.

Students in Automotive Technology will develop an understanding of the major automotive systems and various employment opportunities within the automotive field. An emphasis on appropriate safety, shop management and professionalism is included in the curriculum. Students will be introduced to and learn specific Automotive Service Excellence (ASE) skills in a hands-on, project-based format.

**Enduring Understandings:**

***As a result of completing the Automotive Technology program students will:***

- Diagnose, and repair various automotive systems using service literature, tools, and NATEF guidelines efficiently
- Opportunities and advancement in the Automotive industry requires industry level certifications that verify a technician's skill set.
- Practice safety precautions to protect yourself, vehicles, and the environment.
- Apply technical reading and mathematical skills to the service of vehicles.

**Competency Statements**

1. The student will understand the concepts, procedures, and techniques to repair and maintain the following systems:

- a. Electrical System.
  - b. Steering and Suspension
  - c. Drive Train Systems
  - d. brakes
  - e. Heating and Cooling Systems
  - f. Engines and Performance Systems
2. The students will understand personal and environmental safety required for effective shop operation.
  3. Perform basic mathematical computations to problem solve and repair systems
  - 4 The students will understand personal and environmental safety required for effective shop operation.

