

Automotive Technology

PROGRAM DESCRIPTION:

Our Automotive Technology program is recognized as one of the top high school automotive training facilities in the nation. Our instructors are ASE Certified Master Technicians and our program is certified by NATEF. Our affiliation with Automotive Youth Educational Systems (AYES) and our close partnerships with local dealerships and shops allow us to offer students the ability to get a head start on their career. The employment potential and wages are high for our industry. Trained, Journey-level technicians average \$50,000 - \$70,000 per year.

This program provides a two and a half-hour block of time in shop and related classroom work. The laboratory and related instruction are based upon ASE Automotive Technician standards, which include the skills, attitudes, and knowledge required to achieve entry-level employment in the automotive industry. During the first year, students will study and learn the theory, operation, and maintenance of all of the major systems on an automobile. This will prepare students for an entry-level job in the industry.

During the second year, students will study diagnosis and repair skills on Brakes, Electrical, Engine Performance, and Steering/Suspension systems. Students will apply that knowledge through our internship program, which places students in local shops working under the supervision of a mentor technician. This will allow students to build their skills and move into higher positions upon graduation. Or if they choose, they may take advantage of our articulation agreement with local colleges and get advanced placement into their Auto Technology program. Students nearing graduation should be fully prepared to pass their Student ASE certification tests demonstrating mastery of the information at this level. This is also good preparation for the ASE Technician Certification tests.

PROGRAM BENEFITS:

- ◆ 3 High School credits per year
- ◆ Competency Certificate with “ASE Certified Program” stamp
- ◆ Leadership and competition opportunities through Skills USA
- ◆ Entry level job skills
- ◆ Preparation for next level of education/training
- ◆ Opportunities for many scholarships
- ◆ Successful completion of the program, with a grade of “B” or higher, may result in college credit

INDUSTRY CERTIFICATION:

- ◆ National Automobile Technician Education Foundation (NATEF)
- ◆ Automotive Service Excellence (ASE)

Automotive Technology – Cont'd

PREREQUISITES:

- ◆ Must indicate a career interest in the automotive technology industry
- ◆ Must participate in Orientation/Interview at the Skills Center
- ◆ Must be able to perform addition, subtraction, multiplication, division, fractions and decimals
- ◆ Must have a minimum reading level of the tenth grade
- ◆ Must have a good attendance history
- ◆ Courses in small gas engines, Principles of Technology and physics are recommended to demonstrate a mechanical aptitude suitable for the trade.
- ◆ Competitive application process for second year students requires successful completion of the first year program **and** teacher recommendation.

STUDENT COSTS:

- ◆ Students uniforms (2 pants, 2 shirts, approximately \$65)
- ◆ Safety shoes recommended
- ◆ Family medical insurance **or** student accident insurance is required. Student accident insurance is available for purchase through the Skills Center or the sending school.
- ◆ 2nd year students must provide their own transportation to/from internship sites.

ORGANIZATIONS:

- ◆ Automotive Youth Educational Systems (AYES)
- ◆ Skills USA National membership and regional competition and conferences (approximately \$25)
- ◆ Automotive Service Excellence (ASE)

LAB TIME/THEORY TIME:

Approximately 50 percent of the time will be devoted to theory and 50 percent to lab

HOMEWORK:

An average of 3 hours a week

TEXTBOOK READING LEVEL:

- ◆ Theory materials 12.0+
- ◆ Diagnosis & testing manuals 13.0

CAREER OPPORTUNITIES:

- ◆ Automotive Apprentice
- ◆ Automotive Technician
- ◆ Brake and Alignment Specialist
- ◆ Parts Counter Person
- ◆ Service Manager
- ◆ Warranty Parts Administrator
- ◆ Service Advisor
- ◆ Machinist
- ◆ Emission Specialist

