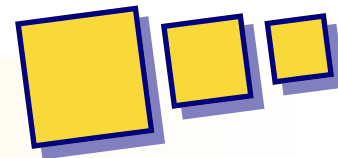


Automotive Service Technology



About the Course

In years gone by, a self-taught mechanic may have had all the qualifications to get started at a local auto shop or dealership, but times have changed. Employers are looking for people with good backgrounds in electronics, com-

puter technology, and communications, along with math and problem-solving skills. The Automotive Service Technology program at the Technical Education Center of Carroll County Schools is industry-certified by the National Automotive Technicians Education Foundation (NATEF), and is designed to address workforce expectations. More than technical training, the program provides a partnership among participating dealerships, schools, students, and their parents. Through direct instruction on late model automobiles, high tech equipment, classroom presentations, and opportunities for "job shadowing," the program teaches both "head skills" and "hand skills" to prepare students for the world of automotive technology careers.

What students will learn...

Basic Topics

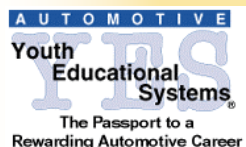
Subjects introduced:

- ◆ Personal Safety
- ◆ Using hand tools equipment maintenance
- ◆ Communication skills
- ◆ Locating vehicle information
- ◆ Using a repair manual
- ◆ Using computerized service information
- ◆ Inspecting vehicle safety features
- ◆ New car pre-delivery inspection
- ◆ Lubrication service of wear points
- ◆ Cleaning and care of vehicle

Advanced Topics

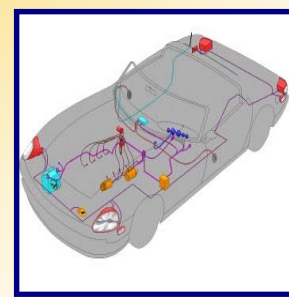
Subjects Introduced:

- ◆ Electricity
- ◆ Electronics
- ◆ Engine Performance
- ◆ Brakes



AYES Students...

learn and polish the skills employers want them to have. Today there is a considerable shortage of good automotive technicians. Research shows this trend will continue. This means job security for the people who enter and excel in automotive service. There will always be vehicles that need to be serviced. The increasing sophistication of those vehicles requires technicians with the expertise to repair them. By enrolling in an AYES program, you can become that expert.



Automotive Service Technology

Prerequisites

An interest in machinery and the desire to be mechanically inclined.

Helpful Courses

Science and math

Completion Incentives

Job shadowing & job placement opportunities

Personal Benefits

The challenge and variety are certainly there, as technicians report that "every day is different." The personal satisfaction is there, as technicians need to apply their best personal skills to getting the work done. The rewards are there, including financial compensation (experienced, skilled technicians earn \$30,000 to \$50,000 and more a year in metropolitan areas) and customer respect and appreciation. And the potential for career growth is there within the dealership or in other positions in the automotive industry and elsewhere.

Salary Information

A career in Automotive Service Technology is a prime example of an opportunity that requires advanced skill, but not an advanced degree. A master technician, with well-honed skills and approximately 10 years of experience, typically earns more than \$40,000 in metropolitan areas. Some earn \$70,000 to \$100,000 annually.

Work-Based Opportunities...

- ◆ Provide for "real life" applications of knowledge gained in the classroom.
- ◆ Offer academic and on-the-job challenges in accordance with the highest standards for automotive technical programs in the country.
- ◆ Enhance employability as an entry-level automotive technician through the recognized attainment of specified competencies.
- ◆ Provide on-the-job experience in a dealership environment leading to permanent employment potential upon graduation.
- ◆ Afford the opportunity to secure an exceptional foundation of baseline knowledge and practical skills, thereby enabling the AYES graduate to pursue a number of opportunities related to automotive technology, either immediately or after gaining additional paid experience.

Career Opportunities

- ◆ Automotive Technician

Co-Curricular School Activities

- ◆ SkillsUSA-VICA is a co-curricular school club which provides students with the added benefit of gaining workplace skills in the areas of leadership, networking, and skill demonstration through regional, state and national level competitions.
- ◆ Student dues
\$13.50



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