



Automotive Technology

accredited by the National Automotive Technical Education Foundation (NATEF)



AUTOMOTIVE TECHNOLOGY provides the theory and skills needed for light and heavy duty repairs to the automobile engine, transmission, chassis and suspension system. Students use up-to-date test equipment to precisely diagnose today's sophisticated automobiles. This is a NATEF/ASE certified training program.

Work Environment

The auto technician may work in service stations, small repair shops or new car dealerships to maintain, troubleshoot and repair the various automotive systems. The number of employees may vary from two to 20. The work week may vary from 40–50 hours. The work is primarily indoors; however, there is a percentage of on-the-road work.

AYES Program

The Wilson Tech Automotive Technology program has met the requirements to participate in the Automotive Youth Educational Systems (AYES) program. In conjunction with local dealerships, students can participate in job shadowing, mentoring, and paid work study experience. Through the AYES program many of our students, both from the Northport and Dix Hills campuses are employed at dealerships such as: Huntington Honda, Habberstad BMW, Huntington Audi, and Babylon Honda to name a few.

Career Opportunities

Automotive Technician
Business Owner
Parts Department
Service Manager
Service Writer
Shop Supervisor
Specialized Auto Repairperson

Advanced Standing Available*

Lincoln Technical Institute
New England Institute of Technology
Ohio Technical College
Pennsylvania College of Technology
Suffolk County Community College
SUNY Alfred
SUNY Canton

SUNY Delhi

Universal Technical Institute

*Advanced Standing may be available to those who successfully complete this Tech course. See Articulation Agreements on page 41.

Employment Outlook

The demand for trained auto technicians has increased in recent years. When people keep their cars for longer periods of time it increases the demand for auto technicians. Approximately 10,000 new technicians are needed each year. This figure does not take into account the number of technicians who retire or change jobs.

Starting Salary: \$9/hour to a maximum of \$30/hour and up.

Student Supplies (approx. \$75)

1. Dark blue work shirt/work pants
2. Safety work shoes
3. Safety goggles are provided to students for use in the shop/laboratory area.

Academic credits integrated:

See chart, page 26

CTE Endorsement

In order to be granted the Technical Diploma endorsement, students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, including Career and Financial Management (CFM), and pass the following national certification exam: National Automotive Student Skills Standards Assessment - Automobile Service.

Course Outline

- ASE/NATEF Certified Modules
- Lubrication
- Exhaust System Repair
- Front-End
- Engine Overhaul
- Alternator Service
- Electronic Test Equipment
- Tire Repair
- Brakes
- Alignment and Repairs
- Engine Tune-up
- Clutch Repairs
- Transmission Service/Repair
- Air-Conditioning Service
- Fuel Injection
- Computerized Controls

Consider these classes at Tech

- Aircraft Technology
- Auto Body Repair
- Auto Maintenance*
- Computer Networking & Repair/Technical Electronics
- Marine & Motor Sports Technology
- Welding

All placements are based upon individual needs and approval from the district and parent/guardian.

*Smaller class size.