



Automotive Technology

Automobile Service Excellence (ASE) Student Certification Approved



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 an Automobile Service Excellence (ASE) student 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.

ASE Education Foundation Program

The Wilson Tech Automotive Technology program has met the requirements to participate in the ASE Education Foundation program. In conjunction with local dealerships, students can participate in job shadowing, mentoring, and paid work study experience. Through the ASE 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*

Alfred State College
Five Towns College
Lincoln Technical Institute
Morrisville State College
New England Institute of Technology
NYADI - The College of Transportation Technology
Ohio Technical College
SUNY Canton
SUNY Delhi
Universal Technical Institute
Dual Enrollment: Suffolk County Community College

*College credits may be earned by meeting the criteria of articulation agreements (see listing in Handbook) Tech has established with SELECT colleges. In addition, check directly with the post-secondary institutions for any additional credits they may offer.

Academic credits integrated:

Tech Math, Tech Phys Sci, Eng. 12, CFM, Comp App

CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following exam: Automobile Service Excellence Student Certification.

Student Supplies

Additional supplies will need to be purchased for this program including a uniform and work boots.

Average Annual Wage

Salaries are subject to market fluctuations.

For the most current updates on local & national wages go to job search engines on the internet and www.careerzone.ny.gov

Course Outline

- ASE Education Foundation Certified Modules:
- Brakes, Suspension & Steering, Electrical, Automatic Trans/Trans Axle, Manual Trans/Trans Axle, Engine Performance, Heating/Ventilation/AC, Engine Mechanical
- 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