

# NORTH MONTCO TECHNICAL CAREER CENTER

## AUTOMOTIVE TECHNOLOGY

In accordance with Automotive Service of Excellence (ASE)/ National Automotive Technicians Education Foundation (NATEF) and Automotive Youth Education System (AYES) standards, **the Automotive Technology Program** provides current curriculum, instructional materials, and equipment that are needed to reinforce knowledge, skills and attitudes appropriate to industry needs. Students have the opportunity to receive college credits, while in high school, through dual enrollment opportunities with Montgomery County Community College. (Speak to a guidance counselor or the instructor for more information.)

### What you will learn:

The eight ASE curriculum areas:

- Engine Repair
- Brakes
- Automatic Transmission/Transaxle
- Electrical/Electronic Systems
- Manual Drive Train and Axles
- Heating and Air Conditioning
- Suspension and Steering
- Engine Performance

### Career possibilities:

- Automotive Machinist
- Automotive Service/Diagnostic Tech.
- Service Consultant
- Body Shop Manager
- Insurance Estimator

### Career possibilities with additional education:

- New/Used Car Sales Manager
- Insurance Investigator
- Dealership Service Director
- Automotive Editor/Writer
- College/High School Instructor

### Physical Criteria:

- Manual dexterity
- Heavy lifting
- Strong eye/hand coordination
- Physical stamina/strength

### Certifications students can earn:

- AYES (Automotive Youth Education System)
- PA Certified Safety Inspection Mechanic
- PA Certified Emissions Inspection Mechanic
- MACS or ASE Refrigerant Recovery and Recycling
- SP/2 Safety and Pollution Prevention

### Uniform/equipment list:

(With approximate costs)

- Power and Transportation Cluster uniform shirt (**shirt must be purchased from the NMTCC Power and Transportation Cluster**), safety glasses, 1" binder and pencil, SkillsUSA dues (\$32)
- Work pants (\$15-\$20)
- Work boots (\$20-\$30)
- USB flash drive (also know as a jump drive or memory stick) (\$10)
- Textbook (\$85)
- Seniors only:  
PA State Inspection Books (\$75)  
MACS Air Condition (\$50)

### Class of 2011 graduation plans:

- 33% plan to continue their education in this field
- 38% found employment in this field
- 14% will be joining the military
- 5% plan to continue their education in another field
- 5% will be working in a different field
- 5% are undecided as of June 2011

**North Montco Technical Career Center**  
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