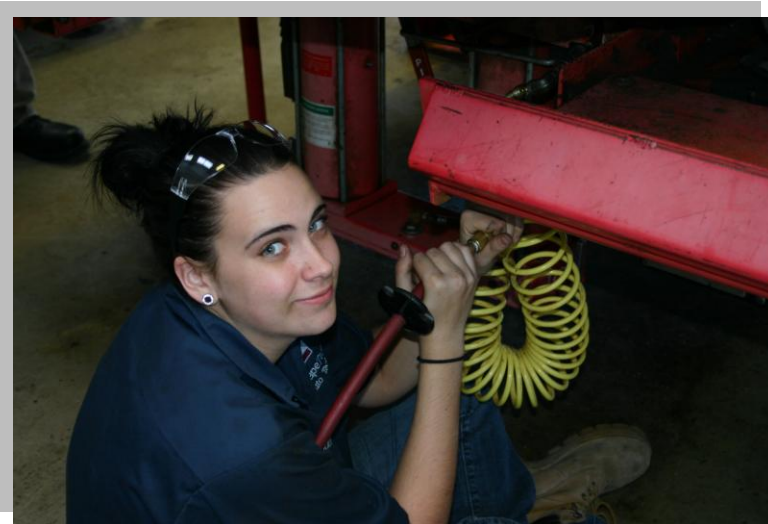


Automotive Technology



Recommendations for Success:

- Good mechanical aptitude
- Adapt and become familiar with ever-changing technology and computers
- Manual dexterity
- Physical stamina/ability to lift 60 pounds overhead
- Discrimination by size/shape
- Discrimination by touch
- Structural/mechanical knowledge
- Basic math
- Decimals
- Fractions
- Metric conversion
- Good speaking and listening skills
- Good eye-hand coordination

Lenape Technical School	Automotive Technology
Objective of field	The Automotive Technician repairs various automotive problems using computers, hand tools, power tools, and various service information.
Job Duties	<ul style="list-style-type: none"> • Confer with customers to obtain descriptions of vehicle problems and to discuss work to be performed and future repair requirements • Disassemble units and inspect parts for wear, using micrometers, calipers, and gauges • Diagnose and repair parts and systems on vehicles and remove units for rebuild or replacement
Classroom Tests	<p>Automotive Service Excellence (ASE) style chapter tests, multiple choice tests, and written tests involving technology being taught</p> <p>Year 1: 16 summative, 26 formative* Year 2: 16 summative, 26-30 formative* Year 3: 22 tests*</p> <p><i>*This number is approximate and is subject to change</i></p>
Certification Tests	<p>National Occupational Competency Testing Institute (NOCTI) Exam Pennsylvania Safety Inspectors Test SP2 training General Motors online training tests and certificates</p>
Books	Goodheart-Willcox Company, Inc. <u>Modern Automotive Technology</u>
Lecture Time	<p>Year 1: 3 hours/week* Year 2: 3 hours/week* Year 3: 3.5 hours/week*</p> <p><i>*This number is approximate and is subject to change</i></p>
Co-op/Clinical	<ul style="list-style-type: none"> • Instructor's recommendation • Must have own transportation • No serious discipline incidents • Attendance • Parent permission • Skills necessary for the job • Have to complete 80% of competency list
Homework	<ul style="list-style-type: none"> • Workbook • Teacher made technology worksheets • Task sheets • Internet assignments
Task Lists	<p>ASE Tasks updated every 5 years</p> <p>Year 1: Tasks that are associated with corresponding chapters 1-16 (or more if time permits)* Year 2: Tasks that lead to the diagnosis and repair of engine performance tasks and electrical components* Year 3: Task list continues until graduation*</p> <p><i>*Task lists are subject to change</i></p>
Planned Courses	<ul style="list-style-type: none"> • Orientation to Automotive Technology Shop • Safety • Engine Repair • Automatic Transmissions and Transaxles • Manual Drive train and Axles

Lenape Technical School	Automotive Technology		
Planned Courses Continued	<ul style="list-style-type: none"> • Suspension and Steering • Brakes • Electrical Electronic Systems • Heating and Air Conditioning • Engine Performance 		
Academic Skills	High School reading level Math Skills: <ul style="list-style-type: none"> • Fractions/Decimals (add, subtract, multiply, divide) • Order of operations • Conversions: English to metric, fractions to decimal 		
Soft Skills	<ul style="list-style-type: none"> • Good communication skills • Follow directions • Good logic for diagnostics • Persistence/patience • Ability to pace work • Peer tutoring 		
Computer Skills	<ul style="list-style-type: none"> • Basic skills • Microsoft Word • Internet research 		
Physical Requirements	<ul style="list-style-type: none"> • Excellent eye sight • Good manual dexterity • Able to withstand loud noises in a confined area • Stand for long periods of time 		
Vocational Testing Essential Aptitudes for lab recommended levels	<ul style="list-style-type: none"> • Discrimination by size and shape • Gross/ fine motor skills • Manual Dexterity 		
Training	Lenape Tech's Automotive Technology program is an AYES (Automotive Youth Education Systems) NATEF (National Automotive Technicians Education Foundation) certified program where students can achieve ASE (Automotive Service Excellence) student level certification.		
Uniform Requirements	Student's Expense: <ul style="list-style-type: none"> • Uniform work shirt • 8 inch high steel toe lace up boot • Safety glasses (first pair provided) • Blue/black Dickies work pants or western cut blue jeans • Lenape Tech Polo Shirt 		
Articulation/Agreements	This is a program of study (POS) that has a state-wide articulation agreement with post-secondary institutions. To find these please see: www.collegetransfer.net for this CIP Code:47.0604		
Employment/Job Outlook	Entry Level	2-Year Associates Degree	4-Year Bachelor's Degree
	Service Technician	Ford-ASSET GM-ASEP Chrysler-CAP	Business Management
How to find out more?	www.eyes.org http://www.careerinfonet.org/occ_rep.asp?optstatus=011000000&socode=493023&id=1&nodeid=2&stfips=42&search=Go		