Modern Automotive Technology
Chapter 2

Automotive Careers and ASE Certification
Learning Objectives

- List the most common automotive careers
- Describe the type of skills needed to be a successful automotive technician
- Explain the tasks completed by an automotive technician
- Summarize the ASE certification program
8-ASE Technical Areas

- Engine Repair
- Automatic Transmission
- Manual Drive Train
- Suspension and Steering
- Brakes
- Electrical Systems
- Heating & Air Conditioning
- Engine Performance
Chapter 2

1. The SHOP SUPERVISOR is in charge of technicians in the service facility.

2. The DRIVEABILITY and PERFORMANCE TECHNICIAN tests and adjusts fuel, ignition, and emission systems.
Using a diagnostic analyzer to find the source of engine performance problems
3. An APPRENTICE works under the direction of an experienced technician.

4. The SERVICE DISPATCHER (or Service Advisor) selects, organizes, and assigns each auto repair to various technicians.
Apprentice

An excellent way to learn the trade
5. The SERVICE MANAGER is responsible for the entire service and repair operation of a large garage or dealership.

6. A STEERING and SUSPENSION TECHNICIAN checks, replaces, and adjusts steering and suspension components.
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7. A SPECIALIZED TECHNICIAN is an expert on one system, or one make of a car.

8. A GENERAL TECHNICIAN is an experienced professional who has mastered all specialized areas and can work on any part of a car.
Engine work requires a lot of skill. One mistake during assembly can be very costly.
Brake Technician

An ASE Technician Using a Brake Lathe
Chapter 2

On-the-Job Traits

- Reliability – attend work everyday
- Positive Attitude – be cheerful and happy
- Productivity – get your work done
- Follow instructions – the 1st time
- Pride in what you do – look and act professional
- Congeniality – get along with co-workers
- Punctuality – be on time!
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9. An ELECTRICAL SYSTEMS TECHNICIAN tests and repairs lighting systems, charging systems, computer control systems, starting systems, and other electrical systems on an automobile.

10. For each ASE test a technician passes, he or she is granted the status of ASE-CERTIFIED TECHNICIAN.
Electrical System Technician

This technician is using a digital voltmeter to measure battery voltage.
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Automotive Careers and ASE Certification

Other Automotive Careers
- Auto parts specialist
- Service writer
- Service advisor
- Manufactures rep
- Auto sales
- Automotive design
- Auto finance and insurance
- Automotive instructor
- Tool sales and service
- Automotive engineer
- Manufactures trainers
How To Prepare For A Successful Career In Automotive Technology
Here At North Montco Technical Career Center

- PA Youth Apprentice Program (PYAP)
- AYES
- Co-Op
- Internships (Paid and Un-Paid)
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