



Modern Automotive Technology Chapter 2

Automotive Careers and ASE Certification



*North Montco
Technical Career Center*

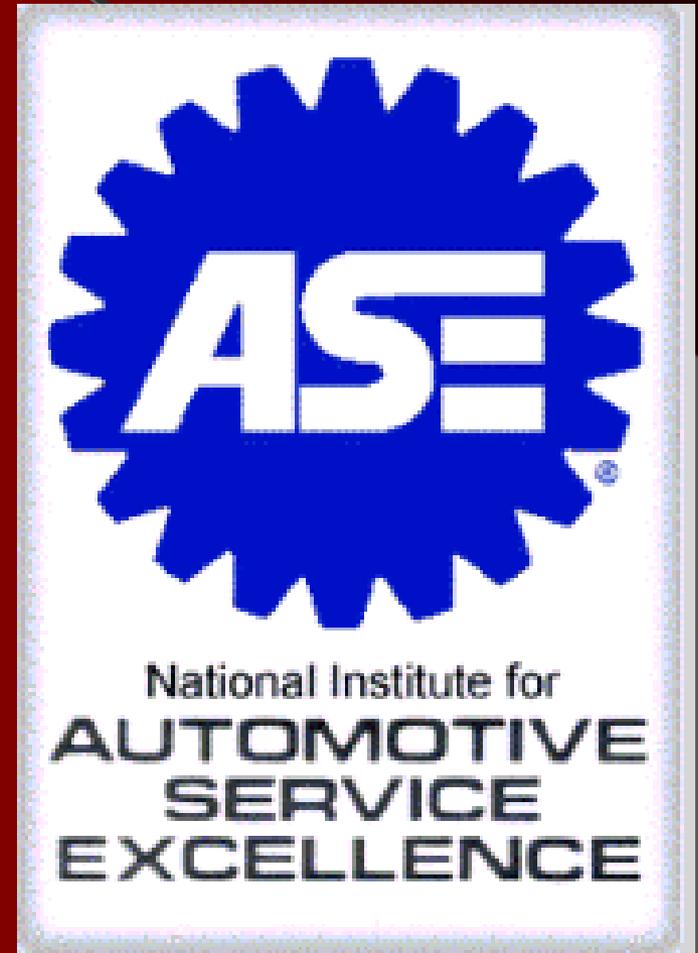
Learning Objectives

- 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

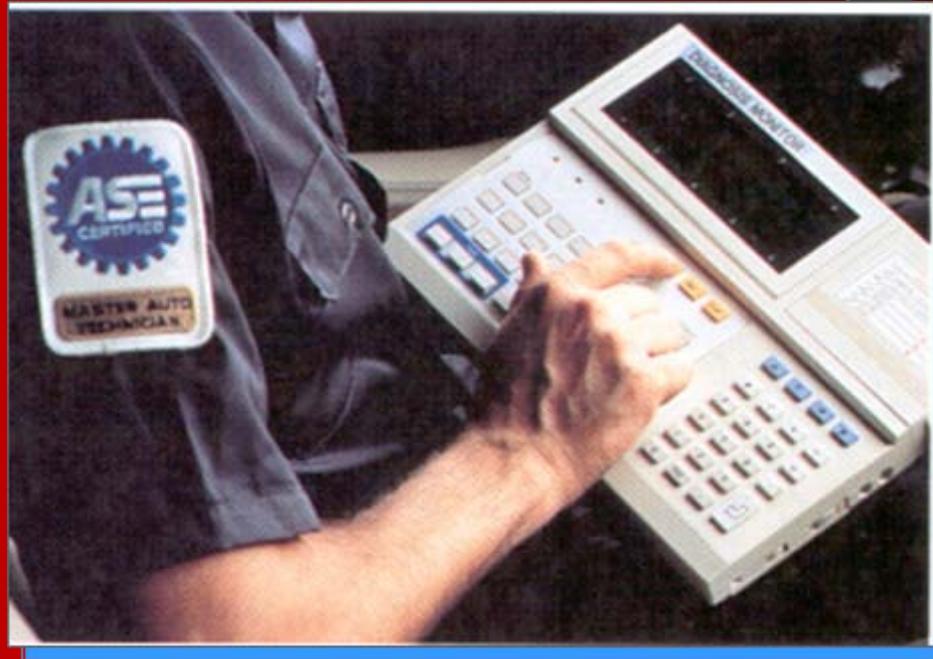


Chapter 2

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.



Driveability and Performance Technician



Using a diagnostic analyzer to find the source of engine performance problems

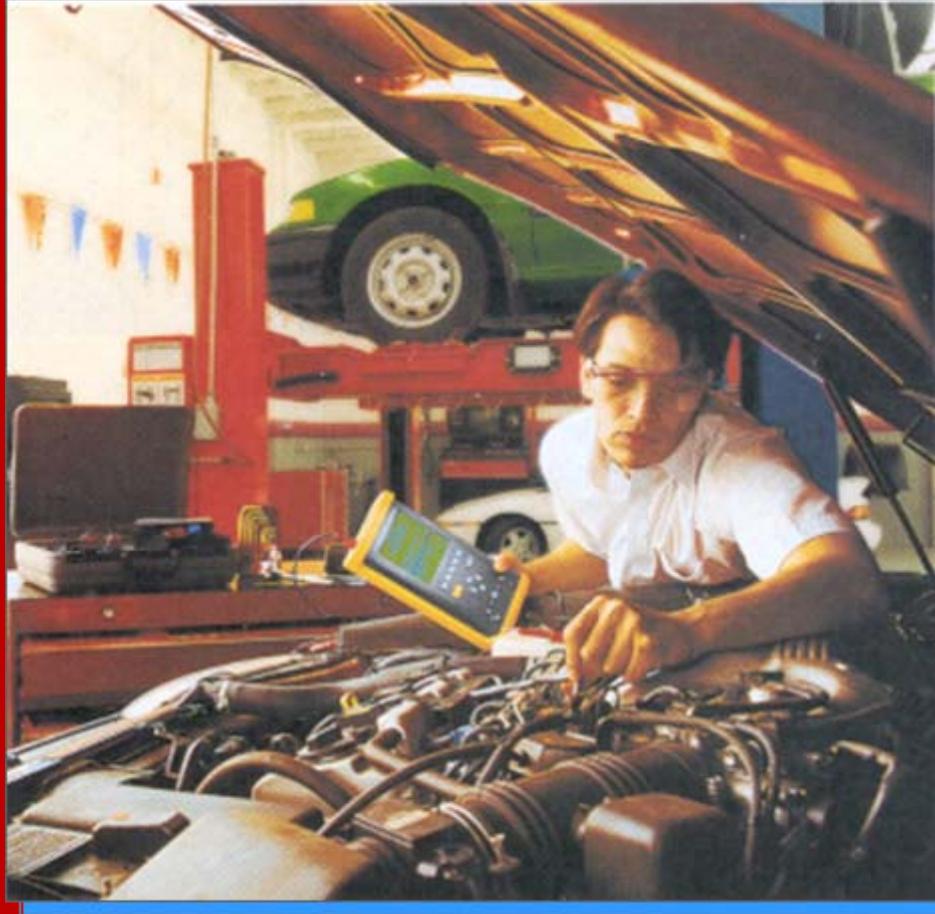


Chapter 2

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



Chapter 2

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.



Chapter 2

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.

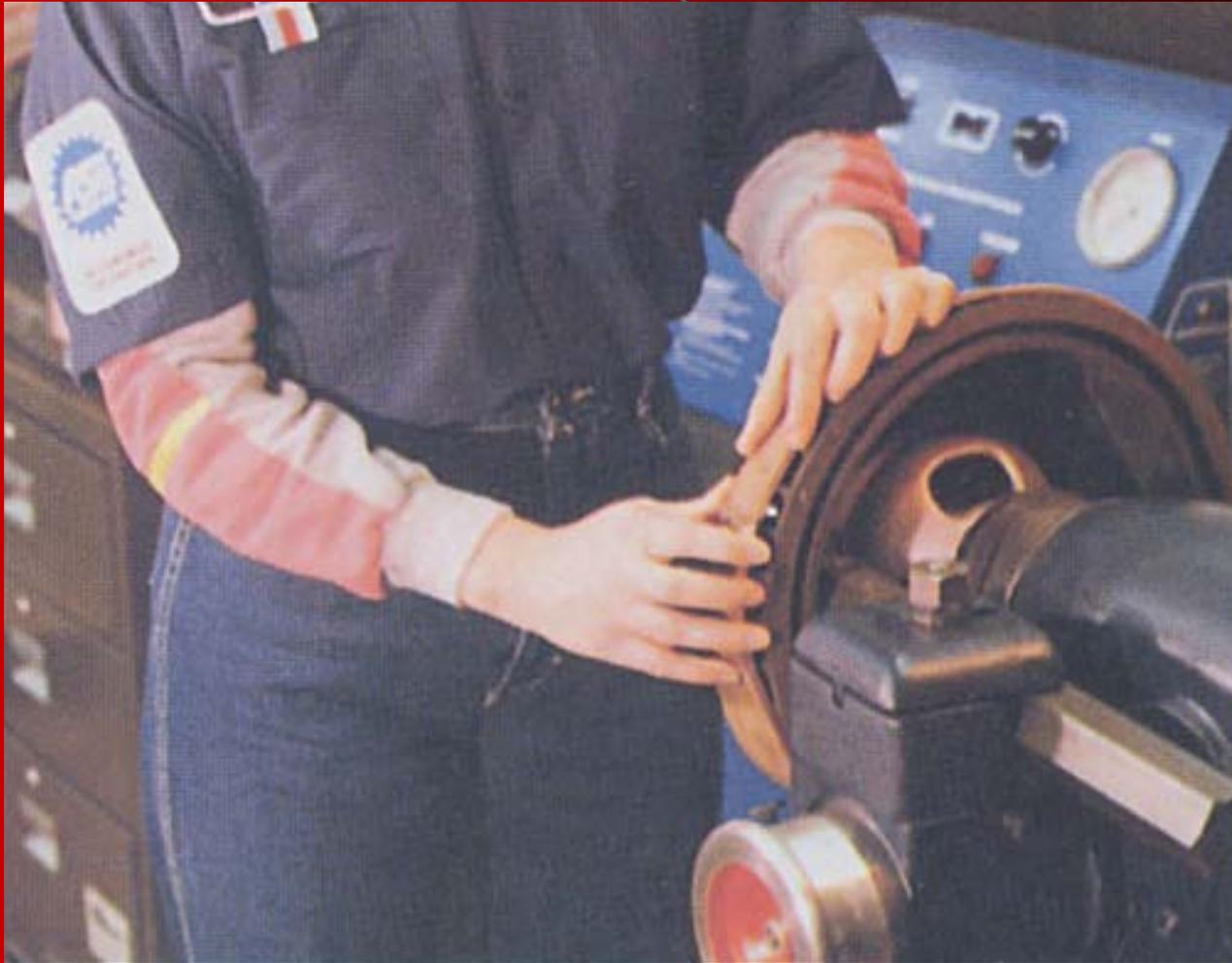


Engine Technician

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!



Chapter 2

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



Chapter 2

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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