

# Diesel & Heavy Equipment Technology



## PROGRAM INFORMATION

The Heavy Equipment and Transport Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

The course work includes the purpose, construction features, and principles of operation of medium and heavy duty vehicles.

Graduates of the curriculum should qualify for entrylevel employment opportunities at a dealership, fleet shop, or independent garage as a technician. Graduates who have met the work experience requirement should also be prepared to take the ASE certification examination.

With work experience and additional education, individuals may advance in the heavy equipment and transport profession.

### How well does it pay?

**\$43,330- \$61,290**

(North Carolina State Average per CFNC.org) With work experience and additional education, Individuals may advance in this profession.

### Sample Occupations:

Diesel Engine Technician, Heavy Duty AG Equipment Technician, Heavy Duty Truck Dealership Technician, Heavy Duty Truck Independent Technician, Locomotive Technician, Bus or Public Transportation Specialist, Marine Diesel Technician, Welding Technology.

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## TYPICAL COURSES

- Diesel Engines
- Diesel Electronics System
- Power Trains
- Mechanical Transmissions
- Hydraulics/Medium Heavy Duty
- Electronic Engines
- Medium/Heavy Duty Brake Systems
- Suspension and Steering
- Preventive Maintenance
- Medium/Heavy Duty Tune-up
- Air Brakes
- PC Skills for Transportation Techs
- Basic Welding for Transportation Techs
- Into to Transportation Techs
- Basic Transportation Electricity
- Into to Sustainable Transportation
- Transportation Climate Control

## CONTACT INFORMATION

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