

## Medium/Heavy Truck Diesel Technology Certificate

### Program Description

The Medium/Heavy Truck Diesel Technology program prepares graduates to work in the automotive field with special emphasis in diesel service. Graduates will be able to troubleshoot, maintain, and repair various types of diesel engines, trucks, boats, and other heavy equipment. Students will obtain knowledge and skills in Medium/Heavy Truck in a variety of areas to include: diesel engines; drive trains; brake systems; suspension and steering; heating, ventilation, air conditioning; hydraulics; electrical/electronic systems; and preventive maintenance.

Students completing this program will have preparatory knowledge in the eight main areas of the Medium/Heavy Truck Diesel Technology and will prepare them for entry-level, Assistant Technician positions. This program prepares graduates to pass the ASE National Certification Exams and enter the workforce as entry-level, Junior Technicians.

### Program Student Learning Outcomes (SLOs):

Upon successful completion of the Certificate in Medium/Heavy Truck Diesel Technology program, students will be able to:

1. Seek employment as a Heavy/Medium Truck Technician, Fleet Mechanic, Heavy Marine Diesel Technician, Generator Repair, Heavy Equipment Repair or Parts Counter person.
2. Troubleshoot, maintain, and repair various heavy trucks and mobile equipment, including bulldozers, boats, cranes, road graders, farm tractors, and combines.

Technical Requirements		
Course #	Course Name	Credits
MHT 100A	Intro to Diesel Technology and Preventive Maintenance Part I	3
MHT 100B	Intro to Diesel Technology and Preventive Maintenance Part II	3
MHT 110	Diesel Engines Part I	3
MHT 120	Medium/Heavy Truck Drive Trains Part I	3
MHT 130	Brake Systems Part I	3
MHT 140	Suspension & Steering Part I	3
MHT 150	Medium/Heavy Truck Heating, Ventilation, & Air Conditioning	3
MHT 160	Hydraulics	3
MHT 170	Medium/Heavy Truck Electrical/Electronic Systems Part I	3
MHT 210	Diesel Engines Part II	3
MHT 230	Brake Systems Part II	3
MHT 270	Medium/Heavy Truck Electrical/Electronic Systems Part II	3
<b>Certificate Total</b>		<b>36</b>