

# DIESEL TECHNOLOGY MHDT



Certificate



Minimum 47 hours

Career & Technical Education • Certificate • Minimum 2.0 OGPA • Major Code: CMHDT

## FIRST YEAR

Fall Semester		Credit Hrs
DSL 130	Basic Mechanical Skills	3
DSL 131	Engine Electronics I	3
DSL 157	Basic Internal Combustion Engines	3
DSL 158	Hydraulics I	3
Total Hours		12

Spring Semester		Credit Hrs
DSL 132	Engine Electronics II	3
DSL 133	Preventative Maintenance	4
DSL 232	Suspension & Steering	4
DSL 235	Diesel Heating & Air Conditioning	4
DSL 275	Diesel Engines	4
Total Hours		19

## SECOND YEAR

Fall Semester		Credit Hrs
DSL 230	Diesel Brakes	4
DSL 233	Electrical Diagnosis	5
DSL 234	Diesel Transmissions & Drive Trains	4
DSL 276	Diesel Fuels Systems	3
Total Hours		16

Placement test scores are not required for this program.

**SPECIAL REQUIREMENTS:** Students are required to furnish their own basic set of tools. Tool list provided by instructors. Safety glasses are required when working in the shop area.

**THE DIESEL LAB** is located in the Robert I. Gregg Technology Center. This well-equipped lab is updated and maintained for quality training and technical instruction.

**THIS CERTIFICATE** is designed to provide the student with the knowledge and skills necessary for the repair, maintenance, and operation of diesel engines in heavy-duty trucks, heavy equipment, agriculture equipment, or diesel passenger vehicles; to test and repair hydraulic systems; and, to overhaul diesel engines.

**THE DIESEL TECHNOLOGY PROGRAM** is certified by National Automotive Technicians Education Foundation (NATEF) and National Institute for Automotive Service Excellence (ASE). Students have the opportunity to earn Master Certification in the following areas: T1-Gasoline Engines, T2-Diesel Engines, T3-Drive Train, T4-Brake, T5-Suspension and Steering, T6-Electrical and Electronic Systems, T7-Heating, Ventilation and Air Conditioning, T8-Preventive Maintenance Inspection.

Occupational information about this program is available at O\*NET online [www.onetonline.org](http://www.onetonline.org). Once at that website enter the SOC Code that is listed for this program.

O\*NET – SOC Code: 49-3031.00

### Career Opportunities:

Diesel Mechanic

### Major Employers:

Trucking Companies, Vehicle Service Centers, Wholesale Trade Firms, Construction Companies, Heavy and Farm Equipment Dealers, Auto Dealers, Independent Repair Shops, Farms, Equipment Leasing Companies, Public Transit Firms, Educational Institutions.