

# 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

**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

This is a Gainful Employment Certificate Program that prepares the student for gainful employment in a recognized occupation. Information regarding program length, cost, average loan debt and completion rates for this program is available at [http://www.sic.edu/ge\\_diesel\\_technology\\_mhdt](http://www.sic.edu/ge_diesel_technology_mhdt). You may also access Gainful Employment information from the SIC home page by selecting "Your Right to Know" from the footer of the page, and then selecting the Gainful Employment Programs option.

### 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.

06/17