

# DIESEL EQUIPMENT TECHNOLOGY CERTIFICATE IN APPLIED SCIENCE

## Program Description

The Diesel Equipment Technology program at Greenville Technical College's School of Aviation, Construction and Transportation Technologies provides students with the solid foundation employers are looking for. With an emphasis on Commercial Semi-Trucks, students can apply classroom, digital and hands-on instruction, to work in the Heavy Equipment, Electric Power Generation, Marine and Locomotive industries.

## Mission Statement

The Diesel Technology certificate is designed to prepare graduates with the necessary technical skills to become a diesel technician. The student will receive a well-rounded education including basic knowledge and mechanical theories with significant hands-on experience. Graduates will have a solid foundation of knowledge to confidently execute the well-acclaimed ASE certifications.

## Entrance Requirements

Acceptable placement test score(s); high school diploma or GED required (or department head approval)

## Type of Program

Day or evening classes

## Program Accreditation

This program is accredited by the ASE Education Foundation.

## Professional Credentials

ASE Automotive Service Excellence Technician (subject to passing exam)

ASE 609 Mobile Air Conditioning License (subject to passing exam)

## Employment Opportunities

Truck repair shops, fleet service, heavy equipment repair centers, electric power generation, locomotive industries

Visit our web page at <https://www.gvltec.edu/diesel/>.

## Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester.

Please see your advisor to map out your own personalized progression toward graduation. Student may enter the program in any semester, day or evening.

**Note:** Please contact your advisor for recommended evening schedules.

First Semester		Hours
DHM 107	Diesel Equip, Serv & Diagnosis	3
DHM 173	Electrical Systems I	3
DHM 255	Air Brake Systems	3

DHM 273	Electrical Systems II	3
<b>Total Semester Hours</b>		<b>12</b>
<b>Second Semester</b>		
DHM 101	Introduction to Diesel Engines	4
DHM 108	Diesel Engine Tune-Up	2
DHM 121	Introduction to Diagnostic Testing	2
DHM 125	Diesel Fuel Systems	3
DHM 265	Hydraulic Systems	3
<b>Total Semester Hours</b>		<b>14</b>
<b>Third Semester</b>		
DHM 251	Suspension and Steering	3
DHM 151	Drive Trains	4
DHM 232	Heating, Cooling, & Air Condition System	3
<b>Total Semester Hours</b>		<b>10</b>
<b>Total Required Credit Hours</b>		<b>36</b>