

# Diesel Equipment Technology

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## Diesel Equipment Technology Certificate in Applied Science

### Mission Statement:

The Diesel Technology certificate is designed to prepare graduates with the necessary technical skills to become a diesel heavy equipment mechanic. 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

### Professional Credentials:

ASE Automotive Service Excellence Technician (subject to passing exam)

### Employment Opportunities:

Truck repair shops, fleet service, heavy equipment repair centers

- This program provides students with an understanding of diesel equipment systems with emphasis on “over-the-road trucks.”

### Recommended Program Schedule

#### **First Semester - Fall**

DHM	107	Diesel Equipment Service & Diagnosis	3.0
DHM	173	Electrical Systems I	3.0
DHM	255	Air Brake Systems	3.0
DHM	273	Electrical Systems II	3.0

#### **Second Semester - Spring**

DHM	101	Introduction to Diesel Engines	4.0
DHM	108	Diesel Engine Tune-Up	2.0
DHM	121	Introduction to Diagnostic Testing	2.0
DHM	125	Diesel Fuel Systems	3.0
DHM	265	Hydraulic Systems	3.0

#### **Third Semester - Summer**

DHM	251	Suspension and Steering	3.0
DHM	151	Drive Trains	4.0
DHM	232	Heating, Cooling, and Air Conditioning Systems	3.0

### Total Required Credit Hours:

**36.0**

Note: Please contact your advisor for evening schedules

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.