DIESEL ENGINE PERFORMANCE CERTIFICATE IN APPLIED SCIENCE

Program Description

This program provides students with hands-on experience in overhaul procedures, timing adjustments, turbocharger matching, exhaust tuning diagnostics and on-board computer reprogramming experience necessary to succeed in today's diesel engine performance field.

Mission Statement

The Diesel Engine Performance certificate is designed to prepare graduates with the necessary technical skills to become a diesel technician. The student will specialize in overhaul procedures, timing adjustments, turbocharger matching, exhaust tuning diagnostics and on-board computer reprogramming. Graduates will have a solid foundation of knowledge to confidently execute the well-acclaimed ASE certifications related to engine performance.

Entrance Requirements

High school diploma or GED required (or department head approval)

Completion of the "Diesel Equipment Technology" certificate is highly recommended before entering this certificate.

Type of Program

Evening Fall Semester

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.

Note: Please contact your advisor for recommended evening schedules.

The first semester is offered day or evening spring semester

The second semester is offered in the evening fall semester.

First Semester		Hours
DHM 101	Introduction to Diesel Engines	4
DHM 125	Diesel Fuel Systems [1]	3
	Total Semester Hours	**7**
Second Semester		
DHM 105	Diesel Engines I	3
DHM 205	Diesel Engines II	3
DHM 216	Medium Diesel Engines	3
DHM 225	Electronic Fuel Systems	3
	Total Semester Hours	**12**
	Total Required Credit Hours	**19**

[1] Prerequisite courses - students must complete these courses with a grade of "C" or better before advancing to the core courses for this certificate.