

Diesel Engine Performance Certificate in Applied Science

Mission Statement:

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

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

Type of Program:

Evening

Employment Opportunities:

Truck repair, fleet service, heavy equipment

- 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.

Recommended Program Schedule

First Semester - Fall

DHM	125	Diesel Fuel Systems*	3.0
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Second Semester - Spring

DHM	101	Introduction to Diesel Engines*	4.0
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Third Semester - Fall

DHM	105	Diesel Engines I	3.0
DHM	205	Diesel Engines II	3.0
DHM	216	Medium Diesel Engines	3.0
DHM	225	Electronic Fuel Systems	3.0

Total Required Credit Hours:

19.0

*Courses marked with an asterisk are prerequisite courses. Students must complete these courses with a grade of "C" or better before advancing to the core courses for this certificate.

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