

Heavy Equipment Auxiliary Systems Certificate in Applied Science

Mission Statement:

The mission of the Heavy Equipment Auxiliary Systems Certificate is to enhance the study and practices of students in additional and exterior units that are crucial to the diesel industry, such as machine hydraulics and auxiliary power units and trailers, to be in compliance with federal and state regulations.

Entrance Requirements:

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

Type of Program:

Day or evening

Employment Opportunities:

Truck repair shops, fleet service, heavy equipment repair centers

- This certificate will provide students with hands-on experience in diagnostic, repair, and installation procedures for heavy equipment auxiliary systems.

Recommended Program Schedule

First Year Prerequisites* - Fall

DHM	255	Air Brake Systems* (fast-track course)	3.0
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First Year Prerequisites* - Spring

DHM	101	Introduction to Diesel Engines* (fast-track course)	4.0
DHM	121	Introduction to Diagnostic Testing* (fast-track course)	2.0
DHM	265	Hydraulic Systems* (fast-track course)	3.0

First Year Prerequisites* - Summer

DHM	232	Heating, Cooling, and Air Conditioning Systems*	3.0
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Second Year - Fall

DHM	155	Power Trains (fast-track course)	3.0
DHM	262	ABS and TCS Brake Systems* (fast-track course)	2.0
DHM	271	Auxiliary Power Units (fast-track course)	2.0
DHM	272	Trailer Technology (fast-track course)	4.0

Total Required Credit Hours:

26.0

*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.