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

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

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.gvtec.edu/gainful-employment/ for important information about the educational debt, earnings and graduation rates of students who attended programs.