

Diesel Technology (DEMR)

(Offered at KC-Longview)

The program prepares students to enter the workforce as entry-level technicians in the field of heavy equipment and truck repair. The program consists of a 12-month certificate and an associate of applied science degree.

First Year

First Semester

Course	Semester Hours
DEMR 1406 Diesel Engine I	4
DEMR 1410 Diesel Engine Testing & Repair I	4
DEMR 1305 Basic Electrical Systems	3
DEMR 1291 Special Topics in Diesel Engine Mechanic & Repairer	2
Social or Behavioral Science Elective	3
	16

Second Semester

Course	Semester Hours
DEMR 1413 Fuel Systems	4
DEMR 2432 Electronic Controls	4
DEMR 1317 Basic Brake Systems	3
DEMR 1421 Power Train I	4
ENGL 1301 Composition I	3
	18

Third Semester

Course	Semester Hours
DEMR 1371 Alternative Fueled Vehicles	3
DEMR 1316 Basic Hydraulics	3
DEMR 1323 HVAC Troubleshooting & Repair	3
DEMR 1280 Cooperative	2
	11

Fourth Semester

Course	Semester Hours
MATH MATH 1332 or MATH 1342 or higher	3
..... Humanities or Fine Arts Elective	3
SPCH Speech Elective	3
..... Elective	3
	12

Fifth Semester

Course	Semester Hours
DEMR 1380 Cooperative Education**	3
	Total Hours 60

+ Course of study identification number.

** Capstone Experience.

Note: A student who completes the required courses with an overall average of C may receive an Associate of Applied Science degree.