



# DIESEL TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	SEMESTERS OFFERED	CREDIT HOURS
<input type="checkbox"/>	1. DEMR 1406 Diesel Engine I	F	4
<input type="checkbox"/>	<b>2. DEMR 1410 Diesel Engine Testing and Repair</b>	F	4
<input type="checkbox"/>	3. DEMR 1305 Basic Electrical Systems	F	3
<input type="checkbox"/>	4. DEMR 1291 Special Topics, Prof Development	F	2
			<i>13 hours</i>
<input type="checkbox"/>	<b>5. DEMR 1413 Fuel Systems Management</b>	Sp	4
<input type="checkbox"/>	<b>6. DEMR 2432 Electronic Engine Controls</b>	Sp	4
<input type="checkbox"/>	7. DEMR 1421 Power Train I	Sp	4
<input type="checkbox"/>	8. DEMR 1317 Basic Brake Systems	Sp	3
<input type="checkbox"/>	9. DEMR 1280 Internship	Sp	2
			<i>30 hours</i>
<input type="checkbox"/>	10. DEMR 1323 HVAC Troubleshooting and Repair	Su	3
<input type="checkbox"/>	11. DEMR 1316 Basic Hydraulics	Su	3
<input type="checkbox"/>	12. DEMR 1371 Alternative Fueled Vehicles	Su	3
<input type="checkbox"/>	13. DEMR 1380 Internship	Su	3
	*** CERTIFICATE IN DIESEL TECHNOLOGY EARNED ***		<i>42 hours</i>
<input type="checkbox"/>	14. ENGL 1301 Composition I	F, Sp, Su	3
<input type="checkbox"/>	15. PHIL 1301 Introduction to Philosophy *	F, Sp, Su	3
<input type="checkbox"/>	16. MATH 1332 Contemporary Mathematics *	F, Sp, Su	3
<input type="checkbox"/>	17. SOCI 1301 Introductory Sociology *	F, Sp, Su	3
<input type="checkbox"/>	18. SPCH 1315 Public Speaking *	F, Sp, Su	3
<input type="checkbox"/>	19. WLDG 1421 Welding Fundamentals *	F, Sp	4
	*** ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED *** NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.		<i>61 hours</i>

## READ ALL NOTES CAREFULLY:

- \* Refer to Core Curriculum and KC Catalog for all possible course options.
- a) Courses in **bold** have a pre-requisite (previous course required).
- b) Courses in *italics* can be taken in any order.
- c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
- d) Refer to KC Catalog for Certificate Requirements.

## CAREER OPPORTUNITIES

MD and HD Truck Technician (Class 4-8 Trucks)  
Heavy Equipment Technician (Earth Moving, Construction)  
Industrial Eqmt. Technician (Electrical Power Generation)  
Oilfield, Agriculture, Natural Gas, and Marine Technician

## ADVANCED DEGREE/CREDENTIAL OPPORTUNITIES

Automotive Service Excellence (ASE) Certifications  
ESCO: EPA Section 609 Refrigerant Certification  
DOT Brake Certification

## LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

ASE <https://www.aseeducationfoundation.org>  
ESCO <https://www.escogroup.org>  
DOT <https://www.fmcsa.dot.gov/regulations/title49/part/396>

## CONTACT INFORMATION

Melissa Dobbs  
Enrollment Advisor  
KC-Longview  
Office: LVHDX  
Phone: 903-236-2033  
Email: [mdobbs@kilgore.edu](mailto:mdobbs@kilgore.edu)

Charles Childers  
Program Director  
Office: LVHDX 230-B  
Phone: 903-236-2075  
Email: [cchilders@kilgore.edu](mailto:cchilders@kilgore.edu)

**Reviewed May 5, 2021**