

# DIESEL TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	General Ed. Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
<input type="checkbox"/>	1. AUMT 1405 Intro To Auto Tech		F		4
<input type="checkbox"/>	2. AUMT 1407 Automotive Electrical Systems		F		4
<input type="checkbox"/>	3. <b>DEMR 1417 Basic Brake Systems</b>		F		4
<input type="checkbox"/>	4. <b>AUMT 2321 Electrical Diag and Repair</b>		F		3
					<i>15 hours</i>
<input type="checkbox"/>	5. <b>DEMR 1310 Diesel Engine Test and Repair</b>		Sp		3
<input type="checkbox"/>	6. <b>DEMR 1330 Steering and Suspension I</b>		Sp		3
<input type="checkbox"/>	7. <b>DEMR 2370 Diesel Engine Performance Analysis I</b>		Sp		3
<input type="checkbox"/>	8. <b>DEMR 1342 Power Train Applications I</b>		Sp		3
<input type="checkbox"/>	9. AUMT 2301 Automotive Management		Sp		3
					<i>30 hours</i>
<input type="checkbox"/>	10. <b>DEMR 2371 Diesel Engine Performance Analysis II</b>		Su		3
<input type="checkbox"/>	11. <b>AUMT 1345 Climate Control Systems</b>		Su		3
<input type="checkbox"/>	12. <b>DEMR 2335 Advanced Hydraulics</b>		Su		3
<input type="checkbox"/>	13. <b>DEMR 1380 Cooperative Education</b>		F,Sp,Su		3
	<b>*** [CERTIFICATE IN DIESEL TECHNOLOGY EARNED] ***</b>				<i>42 hours</i>
<input type="checkbox"/>	14. <i>ENGL 1301 Composition I</i>	<a href="#">GE H&amp;FA !</a>			3
<input type="checkbox"/>	15. <i>. PHIL 1301 Introduction to Philosophy *</i>				3
<input type="checkbox"/>	16. <i>MATH 1332 Contemporary Mathematics or MATH 1342 Elementary Statistical Methods**</i>	<a href="#">GE NS&amp;M @</a>			3
<input type="checkbox"/>	17. <i>SOCI 1301 Introductory Sociology *</i>	<a href="#">GE S&amp;B \$</a>			3
<input type="checkbox"/>	18. <i>SPCH 1315 Public Speaking *</i>	<a href="#">GE AC %</a>			3
<input type="checkbox"/>	19. <i>Any 3-hour Elective</i>				3
	<b>*** [ ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ] ***</b>				<i>60 hours</i>
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.				

- READ ALL NOTES CAREFULLY:**
- a) Courses in **bold** have a pre-requisite (previous course required). [See Catalog](#)
  - 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 Field of Study and Degree Requirements.
- \* Refer to list of General Ed. Courses and KC Catalog for all possible options.
- \*\* [Required for degree plan]

## CAREER OPPORTUNITIES

**Career Options:** MD and HD Truck Technician (Class 4-8 Trucks), Heavy Equipment Technician (Earth Moving, Construction)

**Salary Information:** Heavy Vehicle and Mobile Equipment Service Technician median pay is 61,000 per year. (Source: U.S. Bureau of Labor Statistics-2023)

## ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

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

## LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

<https://www.aseeducationfoundation.org/>

## CONTACT INFORMATION (Click link for [KC Digital Map](#))

Kilgore College Advisors  
Email: [advising@kilgore.edu](mailto:advising@kilgore.edu)  
Webpage: [Academic Advising](#)

Collin Harris  
Dept. Chair  
BLDG.# 26 Room 101  
(903) 983-8160  
[Charris1@kilgore.edu](mailto:Charris1@kilgore.edu)

Tanton Johnson  
Instructor  
BLDG.# 26 Room 102  
(903) 983-8118  
[Tjohnson1@kilgore.edu](mailto:Tjohnson1@kilgore.edu)

Ezekial Harber  
Instructor  
BLDG.# 26 Room 101  
(903) 988-3739  
[Eharber@kilgore.edu](mailto:Eharber@kilgore.edu)



## Kilgore College Composite List of General Education Courses

### **! Humanities and Fine Arts**

[ARTS 1301 \(T\) - Art Appreciation](#)  
[ARTS 1303 \(T\) - Art History I](#)  
[ARTS 1304 \(T\) - Art History II](#)  
[DANC 2303 \(T\) - Dance Appreciation](#)  
[DRAM 1310 \(T\) - Theatre Appreciation](#)  
DRAM 2361 - History of the Theatre I  
DRAM 2362 - History of the Theatre II  
[DRAM 2366 \(T\) - Film Appreciation](#)  
[ENGL 1302 \(T\) - Composition II](#)  
[ENGL 2322 \(T\) - British Literature I](#)  
[ENGL 2323 \(T\) - British Literature II](#)  
[ENGL 2326 \(T\) - American Literature](#)  
[ENGL 2332 \(T\) - World Literature I](#)  
[ENGL 2333 \(T\) - World Literature II](#)  
[HIST 1301 \(T\) - United States History I](#)  
[HIST 1302 \(T\) - United States History II](#)  
[HIST 2311 \(T\) - Western Civilization I](#)  
[HIST 2312 \(T\) - Western Civilization II](#)  
[HIST 2321 \(T\) - World Civilizations I](#)  
[HIST 2322 \(T\) - World Civilizations II](#)  
[MUSI 1306 \(T\) - Music Appreciation](#)  
[PHIL 1301 \(T\) - Introduction to Philosophy](#)  
[PHIL 2306 \(T\) - Introduction to Ethics](#)

### **\$ Social and Behavioral Sciences**

[CRIJ 1301 \(T\) - Introduction to Criminal Justice](#)  
[ECON 2301 \(T\) - Principles of Macroeconomics](#)  
[ECON 2302 \(T\) - Principles of Microeconomics](#)  
[GEOG 1303 \(T\) - World Regional Geography](#)  
[GOVT 2305 \(T\) - Federal Government](#)  
[GOVT 2306 \(T\) - Texas Government](#)  
[HIST 1301 \(T\) - United States History I](#)  
[HIST 1302 \(T\) - United States History II](#)  
[PSYC 2301 \(T\) - General Psychology](#)  
[PSYC 2314 \(T\) - Lifespan Growth and Development](#)  
[SOC1 1301 \(T\) - Introductory Sociology](#)  
[SOC1 1306 \(T\) - Social Problems](#)  
[SOC1 2301 \(T\) - Marriage and the Family](#)  
[TECA 1354 \(T\) - Child Growth and Development](#)

### **@ Natural Sciences and Mathematics**

[BIOL 1406 \(T\) - Biology for Science Majors I](#)  
[BIOL 1407 \(T\) - Biology for Science Majors II](#)  
[BIOL 1408 \(T\) - Biology for Non-Science Majors I](#)  
[BIOL 1409 \(T\) - Biology for Non-Science Majors II](#)  
[BIOL 2401 \(T\) - Human Anatomy and Physiology I](#)  
[BIOL 2402 \(T\) - Human Anatomy and Physiology II](#)  
[BIOL 2406 \(T\) - Environmental Biology](#)  
[CHEM 1405 \(T\) - Introductory Chemistry I \(lecture + lab\)](#)  
[CHEM 1406 \(T\) - Introductory Chemistry I \(lecture + lab, allied health emphasis\)](#)  
[CHEM 1411 \(T\) - General Chemistry I \(lecture + lab\)](#)  
[CHEM 1412 \(T\) - General Chemistry II \(lecture + lab\)](#)  
[ENVR 1401 \(T\) - Environmental Science I](#)  
[GEOL 1301 \(T\) - Earth Sciences for Non-Science Majors I \(lecture\)](#)  
[GEOL 1403 \(T\) - Physical Geology \(lecture + lab\)](#)  
[GEOL 1404 \(T\) - Historical Geology \(lecture + lab\)](#)  
[GEOL 1405 \(T\) - Environmental Science \(lecture + lab\)](#)  
[MATH 1314 \(T\) - College Algebra](#)  
MATH 1316 - Plane Trigonometry  
[MATH 1324 \(T\) - Mathematics for Business and Social Sciences](#)  
[MATH 1325 \(T\) - Calculus for Business and Social Sciences](#)  
[MATH 1332 \(T\) - Contemporary Mathematics](#)  
[MATH 1342 \(T\) - Elementary Statistical Methods](#)  
[MATH 1350 \(T\) - Mathematics for Teachers I](#)  
[MATH 1351 \(T\) - Mathematics for Teachers II](#)  
[MATH 2412 \(T\) - Pre-Calculus Math](#)  
[MATH 2413 \(T\) - Calculus I](#)  
[MATH 2414 \(T\) - Calculus II](#)  
[MATH 2415 \(T\) - Calculus III](#)  
[PHYS 1303 \(T\) - Stars and Galaxies \(lecture\)](#)  
[PHYS 1401 \(T\) - College Physics I](#)  
[PHYS 1402 \(T\) - College Physics II](#)  
PHYS 1403 - Stars and Galaxies  
[PHYS 1404 \(T\) - Solar System](#)  
[PHYS 1405 \(T\) - Elementary Physics I](#)  
[PHYS 2425 \(T\) - University Physics I](#)  
[PHYS 2426 \(T\) - University Physics II](#)

### **% Additional Course**

An additional course from the lists above or [SPCH 1315](#) or [SPCH 1318](#) or [EDUC 1300](#) or [ENGL 2311](#) or [BCIS 1305](#)

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