

# DIESEL TECHNOLOGY CAREER PATHWAY MAP

| ✓                        | RECOMMENDED COURSE SEQUENCE                                                                                        | General Ed.<br>Area shown<br>on page 2 | SEMESTERS<br>OFFERED | MY PLAN (Semester and<br>Year) | CREDIT<br>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               |
|                          |                                                                                                                    |                                        |                      |                                | 15 hours        |
| <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               |
|                          |                                                                                                                    |                                        |                      |                                | 30 hours        |
| <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               |
|                          | *** [CERTIFICATE IN DIESEL TECHNOLOGY EARNED] ***                                                                  |                                        |                      |                                | 42 hours        |
| <input type="checkbox"/> | 14. ENGL 1301 Composition I                                                                                        | <a href="#">GE H&amp;FA !</a>          |                      |                                | 3               |
| <input type="checkbox"/> | 15. . PHIL 1301 Introduction to Philosophy *                                                                       |                                        |                      |                                | 3               |
| <input type="checkbox"/> | 16. MATH 1332 Contemporary Mathematics or MATH 1342 Elementary Statistical Methods**                               | <a href="#">GE NS&amp;M @</a>          |                      |                                | 3               |
| <input type="checkbox"/> | 17. SOCI 1301 Introductory Sociology *                                                                             | <a href="#">GE S&amp;B \$</a>          |                      |                                | 3               |
| <input type="checkbox"/> | 18. SPCH 1315 Public Speaking *                                                                                    | <a href="#">GE AC %</a>                |                      |                                | 3               |
| <input type="checkbox"/> | 19. Any 3-hour Elective                                                                                            |                                        |                      |                                | 3               |
|                          | *** [ ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ] ***                                                             |                                        |                      |                                | 60 hours        |
|                          | 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)  
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## Kilgore College Composite List of General Education Courses

### **I 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](#)  
[SOCI 1301 \(T\) - Introductory Sociology](#)  
[SOCI 1306 \(T\) - Social Problems](#)  
[SOCI 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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