



Lower Columbia College

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lowercolumbia.edu/diesel



LCC is an AA/EEO employer - lowercolumbia.edu/aa-eeo

LCC Clery Annual Security and Fire Safety Report available at lowercolumbia.edu/CleryASFR

Prepare for a career in the trades



DIESEL & HEAVY EQUIPMENT TECHNOLOGY

OVERVIEW

If you enjoy working with your hands and are interested in troubleshooting and repairing mechanical systems, LCC's diesel program might be for you. Any company that uses trucks, heavy equipment, tractors, boats or pumps needs employees with the skills provided in this program. With a strong emphasis on fluid power, this program is one of only a few accepted for membership in the National Fluid Power Association. In this program, you can also prepare to test for your Commercial Driver's License (CDL) and enter a career that is in high demand.



CAREER PATHS

The diesel and heavy equipment technology path can lead to a variety of careers with competitive salaries and advancement opportunities.

- Bus & truck mechanic
- Diesel engine specialist
- Mobile heavy equipment mechanic
- Farm equipment mechanic & service technician
- Transportation vehicle, equipment & systems inspector
- Locomotive engineer
- Motorboat mechanic & service technician
- Crane & tower operator
- Installation, maintenance, & repair worker
- Heavy & tractor-trailer truck driver
- Industrial truck & tractor operator
- Excavating & loading machine & dragline operator

SKILLS & ABILITIES

- Essentials of mechanics
- Electrical systems
- Vehicle climate control
- Heavy duty brakes & chassis
- Hydraulics
- Diesel engine rebuild
- Heavy duty engine performance
- Commercial truck driving
- Foundational skills for the trades
- Industrial safety
- Human relations
- Industrial communications
- Industrial math
- First Aid/CPR



DEGREE OPTIONS

Students who attend full-time can earn a diesel/heavy equipment preventative maintenance certificate in three quarters (one academic year) and an associate degree in diesel/heavy equipment technology in three additional quarters (two academic years total). Students in this program also have the opportunity to earn a commercial truck driving certificate while preparing to earn a Commercial Driver's License (CDL).

APPRENTICESHIP PATHWAYS

Use the skills you gain in this program to enter an apprenticeship pathway with machinists-boilermakers, operating engineers, machinists and aerospace workers, industrial maintenance millwright, steamfitters and pipefitters, or ironworkers.