www.WhitewaterCareerCenter.org

DIESEL TECHNOLOGY

WHITEWATER CAREER CENTER

PROGRAM OVERVIEW

Diesel Technology students learn the principles and operating theories of diesel engines while gaining extensive hands-on training with modern equipment. Instruction covers diesel fuel systems, inspection, troubleshooting, engine overhaul, and replacement procedures, along with other critical systems. Each school day is split between classroom instruction and lab work, giving students the opportunity to apply what they've learned directly to repair tasks.

Students practice diagnostics, repair techniques, and the proper use of technical manuals, hand and power tools, and testing equipment. The lab functions as a working repair shop, where students gain valuable real-world experience by completing projects for customers.



>>> YOU WILL LEARN

- Diesel engine operating principles
- Diagnostic & repair techniques
- Engine overhaul & replacement
- How to service tractor trailers and farm & construction equipment



MEET KYLER FUTURE MECHANIC.

Union County High School and Diesel Technology student at Whitewater Career Center

DIESEL TECHNOLOGY

CERTIFICATION & DUAL CREDITS

ASE (National Institute for Automotive Service Excellence)

T2 – Diesel Engines
T4 – Brakes
T5 – Suspension & Steering
T6 – Electrical/ Electronic Systems
T8 – Preventive Maintenance Inspection

Vincennes University Dual College Credits

DESL 110	Diesel Electrical	3 credits
DESL 110L	Diesel Electrical Lab	1 credit
DESL 130	Diesel Engine Systems	3 credits
DESL 130L	Diesel Engine Systems Lab	3 credits

Certifications are earned in year two. Dual credits are earned in year one and year two.
Students must meet the eligibility requirements to enroll in dual credit courses.
* Certifications and dual credit courses offered are subject to change.

NEXT CAREER STEPS

Upon completing this program, students are prepared for entry-level positions in the diesel technology industry. Graduates may also choose to continue their education through 2- or 4-year degree programs, pursue apprenticeship opportunities, or enter the military to further their training and career development.



POTENTIAL CAREERS

- Bus, Truck, Mechanic & Diesel Engine Specialist
- Farm Equipment Mechanic & Service Technician
- Mobile Heavy Equipment Mechanic
- First-Line Supervisor of Mechanics & Repairers

COURSE INFORMATION

Cluster: Transportation, Distribution & Logistics Pathway: Diesel Services

DIESEL TECHNOLOGY YEAR I

DOE Course Codes:

7216	Principles of Diesel Technology	1 credit per semester
7210	Diesel Steering and Brakes	1 credit per semester
7211	Diesel Transmissions	1 credit per semester

Co-requisites: Courses must be taken concurrently
Recommended Grade Levels: 11, 12

DIESEL TECHNOLOGY YEAR II

DOE Course Codes:

7221	Diesel Services Capstone	3 credits per semester

Prerequisite: Year I
Recommended Grade Level: 12

Centerville | Connersville | Franklin County
Lincoln | Rushville | Union County

WHITEWATER CAREER CENTER

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