

DIESEL TECHNOLOGY

WHITewater CAREER CENTER

PROGRAM OVERVIEW

Students learn engine operating principles and theories as well as diesel-fuel systems. The program is designed to provide hands-on training related to modern diesel vehicles. Topics covered include inspection, troubleshooting, overhaul, and engine replacement procedures as well as all other systems.

The typical school day is divided between classroom and lab experiences concerned with all phases of repair work. Instruction and practice is provided in the diagnostics and repair of engines. The use of technical manuals, hand and power tools, and testing and diagnostic equipment is also studied in the program. This lab operates as a repair shop, and students gain experience working on customer projects.



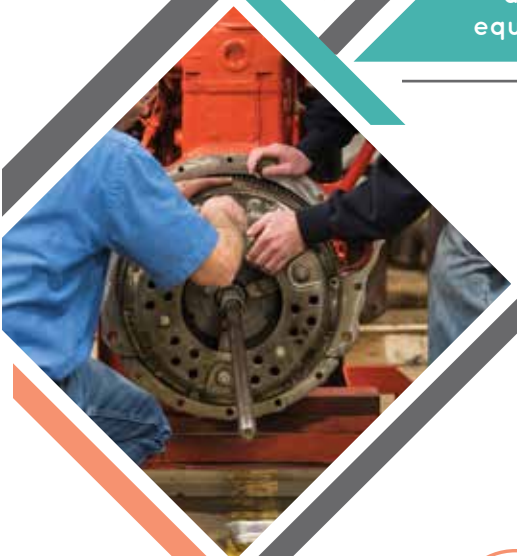
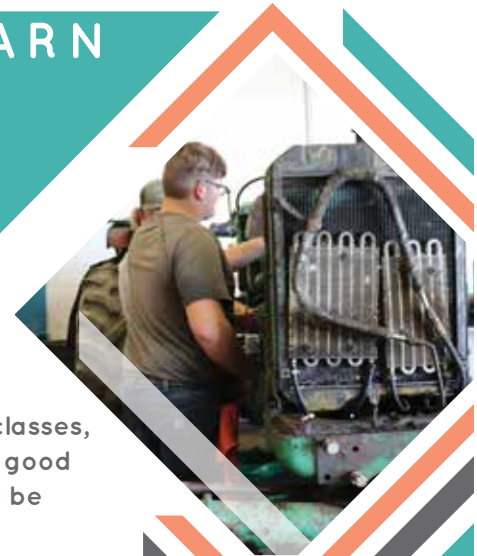
YOU WILL LEARN

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

GET YOURSELF READY

To be successful, do well in all academic classes, be on track for graduation, and have a good work ethic. The following courses will be helpful in this career area:

- Preparing for College and Careers
- Digital Applications & Responsibility
- Principles of Business Management



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DIESEL TECHNOLOGY

CERTIFICATIONS & DUAL CREDITS

ASE (National Institute for Automotive Service Excellence)

T2 - Diesel Engines

T5 - Suspension & Steering

T8 - Preventive Maintenance Inspection

T4 - Brakes

T6 - Electrical/ Electronic Systems

Vincennes University Dual College Credits

DESL 110 Diesel Electrical

3 credits

DESL 110L Diesel Electrical Lab

1 credits

DESL 130 Diesel Engine Systems

3 credits

DESL 130L Diesel Engine Systems Lab

3 credits

Industry certifications are earned in year two.
Dual credits are earned in year one and two.

* Dual credits & certifications offered
are subject to change.

NEXT CAREER STEPS

Upon completion of this program, students are prepared for entry-level employment in the diesel technology industry. Students may also continue their education in 2 and 4-year degree programs, begin apprenticeships, or enter the military.

POTENTIAL CAREERS

- Bus, Truck, Mechanic & Diesel Engine Specialist \$52,840
- Farm Equipment Mechanic & Service Technician \$50,980
- Mobile Heavy Equipment Mechanic \$58,740
- First-Line Supervisors of Mechanics & Repairers \$76,070

Indiana Department of Workforce Development, Oct 2024

INDIANA MEAN WAGE

TRANSCRIPT INFORMATION

NEXT LEVEL
PROGRAM OF STUDY

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

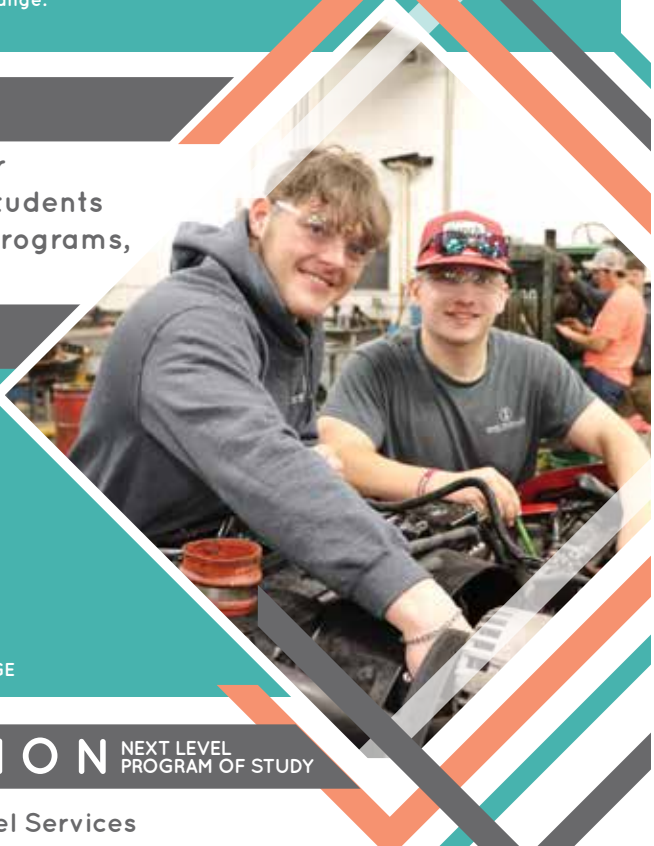
DOE Course Codes:

7221 Diesel Services Capstone 3 credits per semester

Prerequisite: Year I

Recommended Grade Level: 12

Diesel Technology II qualifies as a Quantitative Reasoning Course (QR).



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www.WhitewaterCareerCenter.org