



CCCTC WEBSITE PREVIEW



In the Diesel Technology program, students will gain a knowledge of all phases of repair work on diesel engines, and the accessories used to power buses, ships, trucks, railroads, electric generators, farm equipment and construction machinery. Instruction and practice are provided in troubleshooting, failure analysis, disassembly, examination, reconditioning, and replacement of parts. The students will also repair and adjust injections systems, oil and water pumps, generators, auxiliary power units, controls, and transmissions. The use of technical manuals, blueprints, repair orders, and a variety of hand and power tools, testing and diagnostic equipment are also studied.

COLLEGE CREDITS AND CERTIFICATIONS:

- Earn articulated college credits through Penn College of Technology, Universal Technical Institute, or University of Northwestern Ohio.
- ASE Student Certification tests in Diesel Engines and Electrical / Electronic Systems.

MAJOR UNITS OF STUDY:

- Deck Machinery
- Electrical Systems
- Engine Principals
- Four Flow Systems (Air/Lube/Fuel/Cooling)
- Hydraulic Systems
- Marine Equipment
- Oxyacetylene Cutting
- Power Trains
- Reconditioning Diesel Engines
- Rigging and Hoisting
- Suspensions Systems
- Troubleshooting-Failure Analysis
- Welding

PROFESSIONAL AFFILIATIONS:

- Auto Service Excellence (ASE) in partnership with Automotive Youth Educational system (AYES) and National Automotive Technicians Education Foundation (NATEF)



SCHEDULE:

HETT I (3 credits) Spring of junior year

HETT II: (3 Credits) Fall of senior year

Want to know more? Check out our website at:

www.carrollk12.org/ctc

"Meet the Instructor"

College & Career Opportunities

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