Centralia College

Diesel Equipment Technology

In an industry that is expected to grow 12 percent by the year 2024, diesel technicians and mechanics are and will continue to be in high-demand.

Diesel technicians are employed in a variety of careers working with heavy machinery that is vital to those industries. With a median income of $44,520 a year, and with medical and retirement benefits available at most jobs, the earning potential for a diesel technician is well above the national average compared to most other occupations.

The Associate in Applied Science – Diesel Equipment Technology (AASD) program at Centralia College prepares you with the technical knowledge and hands-on skills for these high-demand careers in the logging, construction, mining, agriculture, and trucking industries.

With a mixture of in-class instruction and hands-on training, Centralia College diesel tech students receive comprehensive training in welding and in the preventative maintenance and repair of diesel engines, electrical systems, hydraulics, transmissions, and HVAC systems.

Career opportunities include the diagnosis, repair and maintenance of:
- Heavy-duty Equipment
- Diesel Locomotives
- Logging Equipment
- Agricultural Equipment
- Trucking Equipment
- HVAC Systems
- Forklifts
- Construction Equipment

Statistics available on the U.S. Department of Labor website
www.dol.gov
Diesel Equipment Technology Tool Lists

The following tools are required for students enrolled in the Diesel Equipment Technology Program at Centralia College. We recommend the tools you buy are of high quality and carry a lifetime guarantee.

**Required Freshman Year Tool List**

- Flashlight
- Combination Wrench Set SAE 5/16”- 1 5/16”
- Combination Wrench Set Metric 8mm – 19mm
- 1/4” Socket Set SAE and Metric
- 3/8” Socket Set SAE and Metric
- 1/2” Socket Set SAE and Metric
- 3/8” Extension Set
- 1/2” Extension Set
- 1/4”, 3/8”, and 1/2” Ratchets
- Screwdriver Set (6 Piece)
- Side Cut Pliers
- Arc Joint Pliers
- Locking Pliers
- Snap Ring Pliers
- Slip Joint Pliers
- Wire Stripper/Crimper Pliers
- 8oz and 16oz Ball Peen Hammer
- 3-5 lb Dead-Blow Hammer
- Feeler Gauge Set
- 1/4”, 1/2”, 3/4” Cold Chisels
- Center Punch
- Pry Bar Set
- Rubber Tipped Air Nozzle
- Cotter Key Puller
- Hacksaw with Blades
- Measuring Tape
- Gasket Scraper
- Hex Key Set SAE and Metric
- Digital Volt/Ohm/Amp Meter (Comparable to Fluke 115, Auto Ranging, DC Amps 10 or More)
- Tool Storage Box

**Suggested Sophomore Year Tool List**

- 10” Extension Bar: 3/8” Drive
- 10” Extension Bar: 1/2” Drive
- Torx Socket Set T8-T50
- Allen Wrench Socket Set 5/64”-3/4”
- Allen Wrench Socket Set 2mm-19mm
- Pliers Kit
- 12” Pry Bar
- 18” Pry Bar
- Drift Punch: 3/8” x 8”
- Drift Punch: 1/2” x 7”
- Inspection Mirror
- Hook/Pick Set
- Torque Wrench: 1/2”, 25-250 ft. lbs.
- Torque Wrench: 3/8”, 25-100 ft. lbs.
- 0-6” Caliper
- 0-2” Micrometer
- Dial Indicator Set: 0.0001” Graduation
- Hydraulic Wrench Set – 14-piece
- 1/2” Impact Wrench
- 1-3/8” Comb Wrench
- 1-7/16” Comb Wrench
- 1-1/2” Comb Wrench
- 16” Arc Joint Pliers
- 3 lb. Hammer
- 1 lb. Brass Hammer
- 9” Rolling Head Pry Bar (Heel Bar)
- 18” Rolling Head Pry Bar (Heel Bar)
- 22” Rolling Head Pry Bar (Heel Bar)
- 4-piece Flare Nut Wrench Set
- Crowfoot Set – Metric and Standard
- Mini Butane Torch

See your instructor for any questions pertaining to this list.

As a Centralia College Diesel Equipment Technology student, you are eligible to purchase tools at discount prices from a wide range of companies through their Vocational Education Pricing Programs. These programs are available through Snap-On, Craftsman, Matco, and other large tool manufacturers. For more information or questions, contact the Diesel Equipment Technology instructors or each individual company.