



# Heavy Duty Diesel

## FACTS ...

- Employment opportunities are available with a variety of diverse companies including trucking, logging, mining, and construction firms, general and specialty repair shops, dealerships, and government agencies.
- Associated Equipment Distributors (AED) Foundation approved Dennis Center for accreditation.
- The number of jobs for diesel service technicians and mechanics is projected to grow about as fast as average.

## Abilities, Skills, and Knowledge

### ABILITIES

- Hand-eye coordination and the ability to lift 50 lbs.
- Tolerate fumes, solvents, and oils
- Work in a team setting without supervision
- Critical thinking skills and ability to troubleshoot
- Top physical condition, good driving record

### SKILLS

- Read and understand specifications, and diagrams
- Use the four basic math operations in US standard and metric systems
- Self-motivator, positive effort and attitude, excellent attendance
- Work safely in an automotive shop environment
- Access information by computer

### KNOWLEDGE

- Have an understanding of mechanical technology, electrical systems and electronics, English, and basic computer controls

## Fact Sheet

### Career Opportunities Include:

- Diesel Technician
- Shop Owner or Manager
- Instructor at a Technical College or High School HD Diesel program
- Military Fleet Specialist
- Service Manager/Shop Foreman

### Graduates of this program have been employed by:

- Trebar/Kenworth
- Western States (CAT)
- Rush Trucking
- Independent truck shops
- Idaho Army National Guard
- Idaho Sand and Gravel



## Employment Outlook & Salary Source: Department of Labor

Salary Ranges						
<u>OCCUPATION</u>	<u>Years of Education Needed</u>	<u>Openings per year</u>	<u>Entry Salary (per hr.)</u>	<u>ID Avg. Salary (per hr.)</u>	<u>NW Avg. Salary (per hr.)</u>	<u>U.S. Avg. Salary (per hr.)</u>
Service Tech	2	300	\$10	\$18	\$22	\$20
Shop Foreman	2	150	\$18	\$22	\$35	\$40
Supervisor	2	50	\$25	\$38	\$42	\$50
Shop Owner	2	10	\$16	\$18	\$22	\$60

**Dennis  
Center  
Course  
Offerings**

**Heavy Duty Diesel Overview:**

<b>PROGRAM/YEARS</b>	<b>CREDITS (2 hr. block)</b>	<b>WEEKS</b>
Auto Tech/HD Diesel 1	4	36
HD Diesel 2	4	36
HD Diesel 3	4	36

**Program Description:**

- **Auto Tech/HD Diesel 1**—introduction to: careers, tools, equipment, use of manuals, safety, fluid maintenance, fundamentals of engine construction. Course is a building block for ASE Certified auto program.
- **Heavy Duty Diesel 2 & 3**— will cover diesel specific diagnostics, service, hydraulic repair, electrical, preventative maintenance inspection (PMI), brakes.
- Hands-on approach with extensive training on mock-ups, functional vehicles and equipment.
- Shop rules and safety are crucial.

**Job Shadowing Opportunities:**

- Trebar/Kenworth
- Idaho Sand & Gravel
- Independent Truck shops
- Knife River
- Six States
- Rocky Mountain Cummins
- Rush Trucking
- Western States (CAT)
- College of Western Idaho
- Arnold Machinery

**Program Costs:**

Students are required to purchase the following at an estimated cost of: \$25.00

- Coveralls \$20.00
- Safety Glasses \$5.00

**Program Selection Criteria:**

Students are selected using the following criteria:

- Attendance
- Highest math level achieved
- Disciplinary actions
- Cumulative GPA
- Other: application, recommendations

**Post-Secondary Education:**

Tech Prep is a technical and academic post-secondary preparation program that enables students to earn college credits while still in high school. Tech Prep connects learning to career pathways and prepares students with technical skills, knowledge, and attitudes to enter high skill, high wage, or high demand occupations.

**Transportation:**

- Bus transportation is provided to and from the home high school to off-campus sites. Students who are completing an internship must provide their own transportation.

**Contact Us:**

For more information about the programs offered by the Dennis Center, please contact us at:

Dennis Technical Education Center  
 Kyle Kallmeyer, Principal  
 8201 West Victory Road  
 Boise, Idaho 83709  
 208-854-5812

**or visit us at:** [http://www.boiseschools.org/schools/tech\\_center.html](http://www.boiseschools.org/schools/tech_center.html)