



TURN YOUR ENTHUSIASM FOR
BIG ENGINES INTO A CAREER

Heavy Diesel Construction Technology

[TRANSPORTATION]



The workforce has a critical need for highly-skilled employees who can diagnose problems, find solutions and perform equipment service and repair. Our program trains students to use recommended procedures, special tools and service information to maintain equipment. This career can put your hands on big engines and lead to big paychecks!

LEARNING AT WASHBURN TECH

This program is housed in one of the region's premiere training labs. Thanks to corporate partners CASE Construction and The Victor L. Phillips Company, you can train on the newest equipment and latest technology while following industry-guided curriculum, course structure, content, competencies and assessments. Attending full-day, you can complete the program in two semesters while half-day students can finish in four semesters. Upon completion, you can earn a 5-credit-hour technical certificate. You also may complete an Associate of Science Degree or more advanced degrees at Washburn University.

JOB AND SALARY OUTLOOK

Career opportunities are excellent for people completing formal training programs. According to the Kansas Department of Labor, the entry-level salary for a mobile heavy

equipment mechanic is \$24.14 an hour or \$50,221 annually. The median hourly wage is \$25.75 or \$53,560 annually.

ENTRY REQUIREMENTS

Students are required to take the Accuplacer and score at least a 4 in both reading and math. Other assessments or college coursework can be accepted in place of Accuplacer. Please see an admissions counselor for details. Students must complete an application and submit a copy of official transcripts.

CERTIFICATIONS

- + Heavy-Duty Fleet Safety
- + Pollution Prevention
- + HAZMAT - Auto Dealers
- + Supervisor's Course
- + Mechanical Safety
- + Mechanical Pollution Prevention
- + OSHA-10

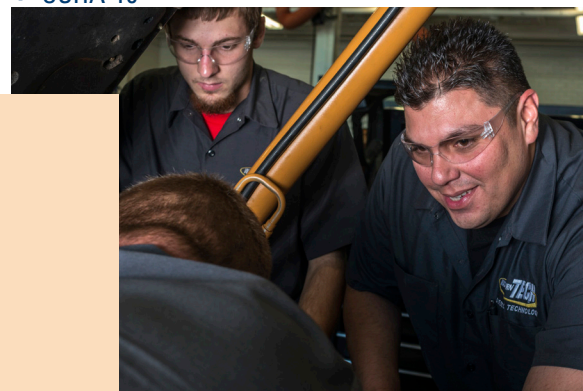
**Build your
best self.**

TALK TO AN ADMISSIONS
COUNSELOR TODAY!

785.670.2200

CAREERS IN HEAVY DIESEL»

- + dealership
- + estimator
- + fleet repair
- + fleet sales
- + construction company
- + parts representative
- + field mechanic
- + ag operation mechanic



COURSE DESCRIPTIONS

SHOP SKILLS & SAFETY FUNDAMENTALS

Covers general safety, workplace safety and first aid

DIESEL ENGINES I

Introduces the theory of operation of diesel engines

WORKPLACE SKILLS

Covers effectiveness, time management and teamwork

ADVANCED DIESEL ENGINES

Covers mechanical, diagnostic and repair procedures

POWER TRAINS FOR CONSTRUCTION

Covers power trains and components of equipment

ENGINE PERFORMANCE

Covers engine control and emission control systems

ELECTRICAL/ELECTRONIC SYSTEMS

Covers basic principles of various engine systems

WELDING FOR DIESEL

Introduces basic concepts of welding

ADVANCED MACHINE ELECTRICAL

Covers electrical schematic reading & troubleshooting

EST DIAGNOSTICS

Covers the use of CASE EST (Electronic Service Tools)

ADVANCED HYDRAULIC SYSTEMS

Covers hydraulic and hydrostatic systems

DIESEL PREVENTATIVE MAINTENANCE

Perform inspections and maintenance on diesel vehicles and equipment

HYDRAULICS

Covers hydraulic systems used on mobile equipment

OSHA-10 GENERAL INDUSTRY

Explores job/site safety and precautions

AUXILIARY POWER UNITS/REFRIGERATION

Covers APUs that power systems when the primary engine is not in use

DRIVE TRAINS

Covers the characteristics, principles and servicing of drive trains utilized in diesel trucks

BRAKES FOR CONSTRUCTION

Overview of brake systems

HEAVY EQUIPMENT OPERATION

Operation and operator-level service and inspection of typical heavy construction equipment



APPLICATION CHECKLIST



**MEET WITH
ADMISSIONS**



**TAKE
ACCUPLACER***



**SUBMIT
TRANSCRIPT(S)**



**PAY
ENROLLMENT FEE
(ADULT ONLY)**

2022-2023 PROGRAM COSTS (Estimated)

	HIGH SCHOOL	ADULT
Enrollment fee	\$0	\$50
Tuition	*\$152	\$7,752
All other fees	\$414	\$1,964
TOTAL	\$566	\$9,766

*Tiered courses are paid by Excel in CTE. Non-tiered courses are paid by the student.

ADDITIONAL CHARGES** (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$1,263	\$1,263

COST NOTE

**A list of required tools/books is on a separate sheet of paper and on our website, WashburnTech.edu. Students also will need to purchase supplies such as (but not limited to) pens/pencils, notebooks/paper, three-ring binder, etc. Students may purchase from the vendor of their choice.

MORE INFO »

For more programs, enrollment and course schedule information, please contact Admissions. Financial Aid is available to those who qualify.

CALL 785.670.2200

TO TALK W/ ADMISSIONS COUNSELOR