

HEAVY DIESEL CONSTRUCTION TECHNOLOGY



CASE equipment dealers and others in the industry have a critical need for highly-skilled and motivated 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 in order to maintain Case 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 three semesters while half-day students can finish in five semesters. Upon completion, you can earn a 52-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. The current demand in Kansas for diesel technicians is 200 to 400 jobs annually. According to the Kansas Department of Labor, the entry-level salary for a mobile heavy equipment mechanic in 2015 was \$17.61 an hour or \$36,624 annually. The median hourly wage was \$22.67 or \$47,163 annually.

Entry Requirements

Students are required to take the ACT WorkKeys and score at least a 4 in both Reading and Math. Other assessments or college coursework can be accepted in place of WorkKeys. Please see a recruiter for details. Students also must complete an application and submit transcripts.

Certifications

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

CONTACT US:

785.670.2200
877.588.7140

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

Washburn University Institute of Technology

5724 SW Huntoon St., Topeka, Kansas 66604 | 785.670.2200 | washburntech.edu



HEAVY DIESEL CONSTRUCTION TECHNOLOGY

Course Descriptions

Safety Skills: covers general safety, workplace safety and first aid

Intro to Diesel I: covers proper care and use of instruments used in the diesel technology field

Workplace Skills: covers general workplace skills including personal effectiveness, time management, teamwork and critical thinking

Intro to Diesel II: covers principles of basic hydraulics

Powertrains I: introduction to characteristics and principles of powertrain units

Engines I: introduces characteristics and principles of a diesel-fueled internal combustion engine

Engines II: covers basic principles of various engine systems and reconditioning of component parts

Welding for Diesel: introduces basic concepts of general welding

Advanced Machine Electrical: CASE Construction machine electrical schematic reading, troubleshooting, diagnosis and repair of monitoring systems

EST & Telematic Systems: covers theoretical and practical application of CASE EST (Electronic Service Tool)

Advanced Hydraulic Systems: covers hydraulic and hydrostatic systems

Service Department Implementation: simulation of a service department including diagnostic work, disassembly work, repair work and assembly work of CASE equipment

Heavy Equipment I: introduction to heavy highway trade of trucks and heavy equipment

Powertrains for Construction: covers drive trains and components of construction equipment

Diesel Construction Internship: focuses on daily operations of a construction equipment repair facility

Tech Math I: covers basic math, measurements and signed numbers

Tech Math II: continuation of Tech Math I

Computer Applications System: provides an overview of computer hardware, software and applications

Technical Communications: focuses on the role of communications in a business environment

CHECKLIST

Meet with recruiter

Take ACT WorkKeys*

Submit transcript(s)

Pay enrollment fee

*some exceptions apply

TOTAL 2017-2018 PROGRAM COSTS (ESTIMATED) - HIGH SCHOOL

Enrollment fee	\$20
Tuition	FREE
All other fees	\$1,754
TOTAL	\$1,774

ADDITIONAL ESTIMATED CHARGES

Tools/Books Estimate*	\$290
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TOTAL 2017-2018 PROGRAM COSTS (ESTIMATED) - ADULT

Enrollment fee	\$50
Tuition	\$6,552
All other fees	\$1,754
TOTAL	\$8,356

ADDITIONAL ESTIMATED CHARGES

Tools/Books Estimate*	\$290
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* 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 them at the vendor of their choice.

