

Diesel technology is a hands-on, high-tech career that is in demand. Diesel technicians repair, service and maintain diesel-powered equipment. You might work on buses, trucks, farm and construction equipment. Our students benefit from state-of-the-art training labs, thanks to corporate partners such as CASE Construction.

LEARNING AT WASHBURN TECH

This program prepares you to apply technical knowledge and skills to work on light and heavy wheeled diesel-powered equipment. Instruction, covering several types of equipment, includes tune-up and overhauling, transmissions and differentials. Attending half-day, you can complete this 48-credit-hour program in four semesters. You also may complete an Associate of Science Degree or more advanced degrees at Washburn University.

JOB AND SALARY OUTLOOK

There is high demand in Kansas for diesel technicians, especially for those who have completed formal training programs such as the one at Washburn Tech. According to the Kansas Department of Labor, the average entry-level salary in this field is \$19.01 an hour or \$39,357 annually. The average is \$26.45 an hour or \$55,010 annually.

ENTRY REQUIREMENTS

For dual-credit high school students submission of an application, official partial transcript, and consent to enroll form are required. Adult students must complete an application and submit an official copy of all transcripts. Please see an admissions counselor for details. Please note, you must have a driver's license or learner's permit to enter this program.

CERTIFICATIONS

- + ASE Brakes, ASE Diesel Engines
- + ASE Electrical/Electronic Systems
- + ASE Suspension/Steering
- + OSHA-10



Build your best self.

TALK TO AN ADMISSIONS COUNSELOR TODAY!

785.670.2200

CAREERS IN TRANSPORTATION »

- + dealership
- + fleet maintenance
- + private garage
- + farm equipment repair
- + car/truck shop
- + sales representative
- + bus company
- + educator

Diesel Technology

COURSE DESCRIPTIONS

OSHA-10

Covers general safety, workplace safety and first aid

ELECTRICAL/ELECTRONIC SYSTEMS

Studies the principles of electricity through operations and testing procedures; introduction to electronics

WORKPLACE SKILLS

Covers workplace skills such as personal effectiveness, time management, team work and critical thinking

HYDRAULICS

Principles of basic hydraulics

SUSPENSION & STEERING (PLUS SERVICE)

Covers types of steering and suspensions

BRAKES

Covers components and types of braking systems

DIESEL PREVENTATIVE MAINTENANCE

Learn to perform inspections and maintenance on diesel vehicles and equipment

SHOP SKILLS & SAFETY FUNDAMENTALS

Learn to safely work with equipment in diesel facility

ADVANCED ELECTRICAL/ELECTRONIC SYSTEMS

Proper use of wiring schematics to troubleshoot electrical systems on light through heavy vehicles

DRIVE TRAINS

Covers the characteristics and principles of power train units including diesel drive trains and drive shafts

DIESEL ENGINES I

Introduces theory of engine operation and use of mechanical components

ADVANCED DIESEL ENGINES

Covers principles of various engine systems

ENGINE PERFORMANCE

Provides theory, diagnosis and service of diesel fuel and emission systems

DRIVE TRAINS II

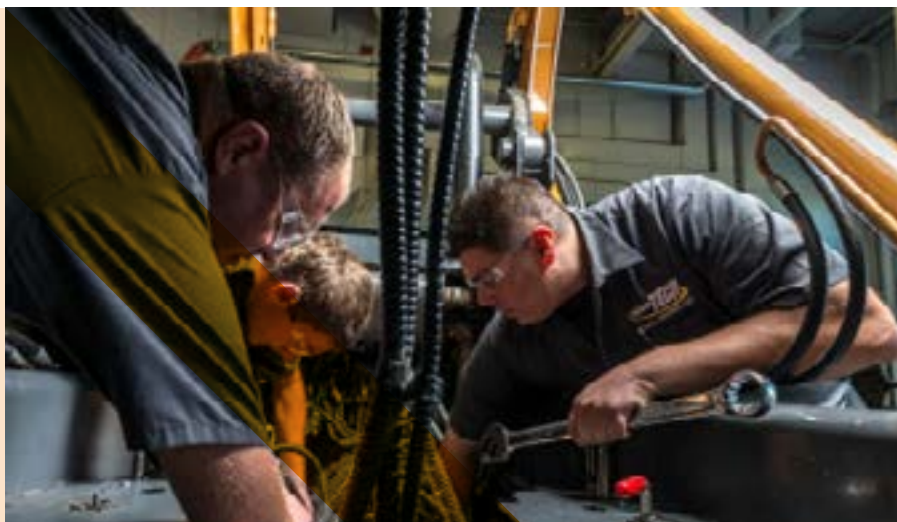
Covers automatic transmission and torque converters, clutches, drive axles and special drives

AUXILIARY POWER UNITS/REFRIGERATION

Covers the purpose/operation of auxiliary power units

SCANNER DIAGNOSTICS

Covers aftermarket diagnostic equipment and tools



APPLICATION CHECKLIST



**SUBMIT
APPLICATION**



**MEET WITH
ADMISSIONS**



**SUBMIT
TRANSCRIPT(S)**



**ENROLL IN
CLASSES**

2025-2026 PROGRAM COSTS (Estimated)

	HIGH SCHOOL	ADULT
Tuition	*\$165	\$7,920
All other fees	\$226	\$1,695
TOTAL	\$391	\$9,715

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

ADDITIONAL CHARGES (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$100	\$100

The Washburn Tech Diesel Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 47.0613: Medium/Heavy Vehicle and Truck Technology/Technician. A program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, gasoline engine mechanics, HVAC systems, and auxiliary equipment installation and repair.

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