

# DIESEL PREVENTATIVE MAINTENANCE TECHNOLOGY (CERTIFICATE)

## CAREER PATHS

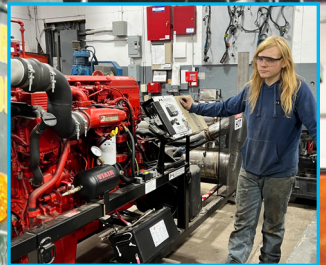
GRADUATES WORK AS BRAKE  
TECHNICIANS AS WELL AS PERFORM  
ROUTINE MAINTENANCE AND MAKE  
GENERAL REPAIRS.

## SALARY

\$48,690\*  
MEDIAN ANNUAL INCOME

## JOB GROWTH

2021-2031: 4%\*



SCAN FOR YOUR FUTURE



# DIESEL PREVENTATIVE MAINTENANCE TECHNOLOGY (CERTIFICATE)



## PROGRAM OBJECTIVE

The Diesel Preventative Maintenance Technician program prepares students to enter the workforce ready to perform routine repair procedures, preventive maintenance, and safety applications.

## Ready. Set. Work.

The Diesel Preventative Maintenance Technician program prepares students to enter the workforce ready to perform routine repair procedures, preventive maintenance, and safety applications.

**Goal 1:** Graduates will possess the appropriate skills and safety awareness that are needed for entry into the diesel preventative maintenance field.

### Student Learning Outcomes

Students will:

- Understand the use of proper safety equipment, for both themselves and shop practices.
- Visualize situations to predict any concerns before attempting them.
- Identify and select the appropriate tools for the job at hand.
- Perform preventative maintenance on light and heavy trucks.

## CAREER OPPORTUNITIES

Graduates work as brake technicians as well as perform routine maintenance and make general repairs.

Typical employers of Diesel Preventative Maintenance technicians are truck, farm, and earth-moving equipment dealerships; trucking companies; truck service centers; engine repair/machine shops; truck equipment distributors; independent service garages.

## PROGRAM COURSES

CREDITS

### SEMESTER 1

Introduction to Vehicle Maintenance & Repair Technology	2
Intro. to Diesel Electricity & Electronics	3
Brake Systems for Diesel	2
Brake Systems for Diesel Lab	1
Steering and Suspension Systems for Diesel	3
Welding and Flame Cutting for Vehicles Lab	2
College Algebra I and Trigonometry or Math for the Transportation Division	3
First-Year Experience	1

### SEMESTER 2

Advanced Electrical Systems for Diesel	2
Advanced Electrical Systems for Diesel Lab	1
Diesel Fuel Injection and Emissions	2
Diesel Fuel Injection and Emissions Lab	1
Diesel Engine Performance and Tune-up Procedures	2
Diesel Engine Performance and Tune-up Procedures Lab	2
Industry Communication	3
Microcomputer I	3

**MINIMUM CREDITS TO GRADUATE 31**

This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website [johnson.edu](http://johnson.edu) to review our requirements.