

# AUTOMOTIVE TECHNOLOGY

## CAREER PATHS

TRANSMISSIONS SPECIALIST  
AUTOMOTIVE MACHINIST  
SPECIALTY TECHNICIAN  
BRAKE SPECIALIST  
EQUIPMENT DISTRIBUTOR  
DEALERSHIP TECHNICIAN

## SALARY

\$46,880\*  
MEDIAN ANNUAL INCOME

## JOB GROWTH

2021-2031: 1%\*



SCAN FOR YOUR FUTURE



# AUTOMOTIVE TECHNOLOGY



## PROGRAM OBJECTIVE

The Automotive Technology program prepares students as entry-level technicians in the automobile and diesel industries.

## READY. SET. WORK.

- Goal 1:** Graduates will possess the appropriate skills needed for entering the Automotive Technology field.
- Goal 2:** Graduates will understand the importance of professional behavior, as well as comply with the daily changes within the Automotive Industry and will meet the challenges of continued growth within the Automotive Technology Profession.
- Goal 3:** Graduates will be provided the skills that will allow them to choose careers in the field.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

## CAREER OPPORTUNITIES

Graduates can work for employers in the automotive career fields of automotive, truck, farm and earthmoving equipment dealerships; truck, power generation and construction companies; automotive service centers; engine repair/machine shops; automotive equipment distributors; independent service garages; automotive parts manufacturers; sales representation; and auto insurance companies. Graduates may work with brake systems, transmissions, alignments and repairs; be representatives in claim, sales and service, or become truck/fleet maintenance technicians.

## PROGRAM COURSES

CREDITS

### SEMESTER 1

Introduction to Vehicle Maintenance & Repair Technology	2
Brake Systems	1
Brake Systems Lab	2
Steering and Suspension Systems	1
Steering and Suspension Systems Lab	2
Introduction to Welding for Automotive Students	2
Microcomputer I	3
First-year Experience	1

### SEMESTER 2

Electrical & Electronic Systems	1
Electrical & Electronic Systems Lab	2
Engine Performance & Emissions	1
Engine Performance & Emissions Lab	2
Internal Combustion Engine Fundamentals	1
Internal Combustion Engine Fundamentals/Lab	2
Introduction to Business	3
English Composition I	3
College Algebra I and Trigonometry or Math for the Transportation Division	3

### SEMESTER 3

Gasoline Engine Overhaul Procedures	2
Gasoline Engine Overhaul Procedures Lab	2
Advanced Automotive Electrical Technology	1
Advanced Automotive Electrical Technology Lab	2
Automatic Transmissions & Transaxles	1
Automatic Transmissions & Transaxles Lab	2
Public Speaking	3
Art Elective	3

### SEMESTER 4

Driver Assistance Systems	2
HVAC Vehicle Systems	2
HVAC Vehicle Systems Lab	1
Certifications for Automotive Students	2
Manual Transmissions & Differentials	1
Manual Transmissions & Differentials Lab	2
Applied Automotive Principles and Applications	2
Applied Automotive Principles and Applications Lab or Internship	4
Science Elective	3

**MINIMUM CREDITS TO GRADUATE 65**

Accredited by



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webmaster@natef.org

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.