



AUTOMOTIVE TECHNOLOGY

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PROGRAM OVERVIEW

Students in Automotive Technology learn to maintain and repair all types of vehicles. Over two years, students learn about basic automotive service, brake systems, electrical systems, automatic transmissions and transaxles, manual drivetrains and axles, steering and suspension, engine repair and performance and heating and air conditioning. The lab operates as an automotive service department, and students gain experience completing work orders and communicating with customers. This program is NATEF (National Automotive Technicians Education Foundation) certified at the vehicle maintenance and light repair level.

YOU WILL LEARN

- Vehicle maintenance & light repair
- Multiple mechanical systems
- Electrical systems & engine performance
- Customer problem solving

GET YOURSELF READY

To be successful, do well in all academic classes, be on track for graduation, and have a good work ethic. The following courses will help prepare you for the Automotive Technology program:

- Preparing for College and Careers
- Introduction to Transportation
- Other technology courses



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CERTIFICATIONS & DUAL CREDITS

Industry Certifications

- ASE (Automotive Service Excellence)
- A 1- Engine Repair
- A 2- Automatic Transmission and Transaxle
- A 3- Manual Drive Train and Axles
- A 4- Suspension and Steering
- A 5- Brakes
- A 6- Electrical/Electronic Systems
- A 7- Heating and Air Conditioning
- A 8- Engine Performance
- G1 - Maintenance and Light Repair

Industry certifications are earned in year two.
Dual credits are earned during year one and two.

Ivy Tech Dual College Credits

AUTI 100	Basic Automotive Service	3 credits
AUTI 141	Engine Fundamentals & Repair	3 credits
AUTI 111	Electrical Systems I	3 credits
AUTI 121	Brake Systems	3 credits
AUTI 122	Steering & Suspension Systems	3 credits
AUTI 131	Engine Performance Systems I	3 credits
AUTI 145	Driveline Service	3 credits

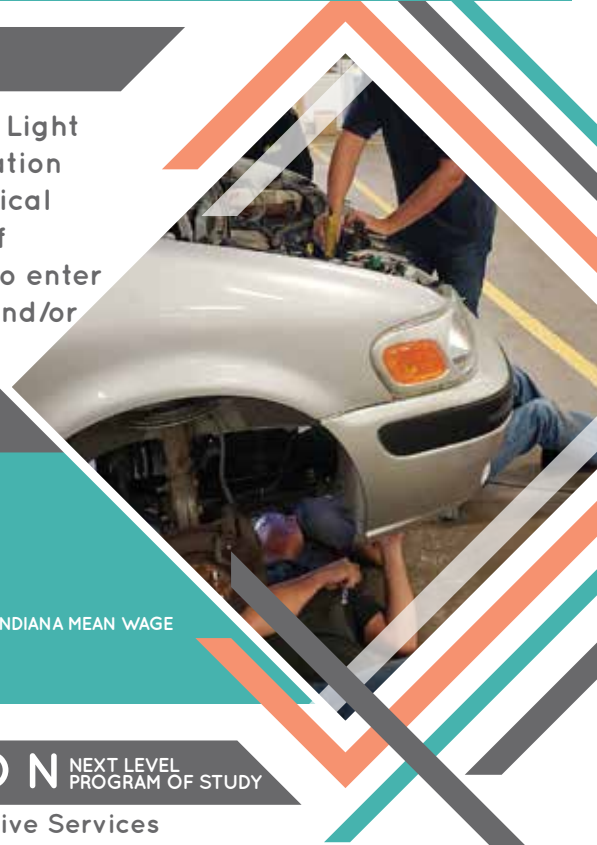
Earn the Ivy Tech Certificate in Maintenance and Light Repair at WCC. Take dual credit classes at your high school to work toward the next steps of a Technical Certificate and/or Associate in Applied Science at Ivy Tech:

- Dual Credit Speech
- Dual Credit Math
- Dual Credit English
- Dual Credit Physical Science

* Dual credits offered are subject to change before the 2022-2023 year due to change in state requirements.

NEXT CAREER STEPS

Students who earn the Ivy Tech Certificate in Maintenance and Light Repair are eligible to participate in Ivy Tech Richmond's graduation ceremony. Students can also go on to Ivy Tech to earn a Technical Certificate in Automotive Service Technology or an Associate of Applied Science in Automotive Technology. Other options are to enter full-time employment, enter apprenticeships, join the military, and/or continue their education and training on the job and in college.



POTENTIAL CAREERS

- Automotive Service Technician & Mechanic \$40,850
- Insurance Appraiser \$63,240
- Automotive Service Attendant \$25,940
- Small Engine Mechanic \$35,770 INDIANA MEAN WAGE

All career and salary information is cited from the U.S. Department of Labor Bureau of Labor Statistics, May 2020 State Occupational Employment & Wage Estimates.

TRANSCRIPT INFORMATION NEXT LEVEL PROGRAM OF STUDY

Cluster: Transportation, Distribution & Logistics Pathway: Automotive Services

AUTOMOTIVE TECHNOLOGY YEAR I

DOE Course Codes:

- 7213 Principles of Automotive Services 1 credit per semester
- 7205 Brake Systems 1 credit per semester
- 7212 Steering and Suspensions 1 credit per semester

Co-requisites: Courses must be taken concurrently
Recommended Grade Levels: 11, 12

AUTOMOTIVE TECHNOLOGY YEAR II

DOE Course Codes:

- 5546 Automotive Service Technology II 3 credits per semester

Prerequisite: Year I

Recommended Grade Level: 12



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