



AUTOMOTIVE TECHNOLOGY

WHITEWATER CAREER CENTER

PROGRAM OVERVIEW



EARLY COLLEGE CAREER PROGRAM

Automotive Technology is a hands-on program. If you are mechanically inclined and enjoy fixing and maintaining vehicles and learning how they work, then you should consider this program.

Participate in the Early College option and earn the Ivy Tech Certificate in Maintenance and Light Repair while at WCC.

YOU WILL LEARN

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

A TYPICAL STUDENT

The typical student is one that enjoys hands-on learning. Successful students have the patience and attention to detail to solve problems using the skills they have learned. They can work on projects independently or with other students. They take initiative, check their work as needed, and stay on task without constant supervision. Safety is a primary focus, and students must follow the guidelines to keep themselves and others safe.



GET YOURSELF READY

To be prepared for success, be on track for graduation and develop a good work ethic. The following pathway courses at your high school will help prepare you for the Automotive Technology career program, further education and training, and a career in the automotive industry:

- Preparing for College & Careers
- Introduction to Transportation
- Introduction to Engineering Design (PLTW-IED)
- Other technology courses



WHITEWATER
CAREER CENTER

Where opportunities flow

Centerville | Connersville | Franklin County
Lincoln | Rushville | Union County

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www.WhitewaterCareerCenter.org



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CERTIFICATIONS & DUAL CREDITS

INDUSTRY CERTIFICATIONS

ASE (Automotive Service Excellence)

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

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 towards 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 Science

YEAR ONE

Students in Automotive Technology I learn to maintain and repair all types of vehicles. Students learn about basic automotive service, braking systems, electrical systems, automatic transmissions and transaxles, and manual drivetrains and axles. Mathematical skills are reinforced through precision measuring activities and cost estimation/calculation activities. Written and oral skills are also emphasized to help students communicate with customers, students, and teachers.

YEAR TWO

Automotive Technology II focuses on steering and suspension, engine repair and performance, and heating and air conditioning. Scientific principles taught and reinforced include the study of viscosity, friction, thermal expansion, and compound solutions. 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.

WHEN YOU FINISH

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

	NATIONAL MEAN WAGE
• Automotive Service Technician & Mechanic	\$45,630
• Insurance Appraiser	\$64,680
• Automotive Service Attendant	\$25,100
• Small Engine Mechanic	\$38,190

All career and salary information is cited from the U.S. Department of Labor Bureau of Labor Statistics, May 2017 National Occupation Employment & Wage Estimates.



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