

THE PURSUIT INSTITUTE



SUPPLY CHAIN & TRANSPORTATION

AUTOMOTIVE SERVICES

Automotive Services Technology involves inspecting, repairing, and maintaining various automotive components that keep a car working properly, including the engine, brakes, steering, suspension, electrical systems, tires, and heating and cooling. Automotive Service Technicians strive to receive their Automotive Service Excellence (ASE) certification.

Program Host:



Program Location:

Academy Chrysler, Dodge, RAM, JEEP
6002 W Field Dr, Tipton, IN 46072

YOUR PATH.
YOUR CAREER.
YOUR PURSUIT.

▶ YEAR ONE

M-F, 8:15 AM-11:15 AM or 12:00 PM-3:00 PM

PRINCIPLES

Principles of Automotive Services
1 Year, 2 Credits

CONCENTRATOR A

Brake Systems
1 Year, 2 Credits

CONCENTRATOR B

Steering and Suspensions
1 Year, 2 Credits

▶ YEAR TWO

M-F, 8:15 AM-11:15 AM or 12:00 PM-3:00 PM

CAPSTONE

Automotive Service Capstone
1 Year, 6 Credits

Students will be interviewed prior to placement in course to ensure appropriate placement.

CURRICULUM

Principles of Automotive Services (7213) *AUTI 100 - Basic Automotive Service, AUTI 111 - Electrical I*

Principles of Automotive Services gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

Brake Systems (7205) *AUTI 121 - Brake Systems*

Brake Systems teaches theory, service, and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems.

Steering and Suspension (7212) *AUTI 122 - Steering & Suspension; AUTI 145 Driveline Service*

Steering and Suspensions will cover driveline theory and in-car service procedures. Theory and overhaul procedures related to the driveshaft and axle assemblies for front and rear wheel drive vehicles are included as well. Additionally, the course teaches theory, service and repair of automotive steering, and suspension systems. It provides an overview of various mechanical, power, and electrical steering and suspension systems used on today's automobiles and will emphasize professional diagnosis and repair methods for steering and suspension systems.

Automotive Service Capstone (7375) *AUTI 131 - Engine Performance I; AUTI 132 - Engine Performance II; AUTI 112 - Electrical II; AUTI 141 Engine Fundamentals; AUTI 142 - Climate Control Systems; COMM 104 - Workplace Communication*

Automotive Service Capstone further explores important skills and competencies within the Automotive Service Technology Pathway. Students will be exposed to an in-depth study of vehicle electrical systems. The course will cover the fundamentals of electricity and automotive electronics in various automotive systems. Students will understand other topics such as engine repair, climate control, and driveline service. Additionally, Co-Op and Internship opportunities will be available for students.

Dual Credit:

Dual credit is offered through Ivy Tech Community College. Each course is 8 weeks.

Year 1, Semester 1

AUTI 100 Basic Auto Service
AUTI 111 Electrical I
AUTI 121 Brake System

Year 1, Semester

AUTI 122 Steering & Suspension
AUTI 145 Driveline Service

Year 2, Semester 1

AUTI 131 Engine Performance I
AUTI 132 Engine Performance II
COMM 104 Workplace Communication

Year 2, Semester 2

AUTI 141 Engine Fundamentals & Repair
AUTI 112 Electrical II
AUTI 142 Climate Control Systems

Certifications:

Students will have the opportunity to earn the following certifications: Ivy Tech Technical Certificate, as well as multiple other industry and Stellantis specific certifications (ASE, MOPAR and EPA).

Employment:

Students will have the opportunity to participate in a paid work experience and will earn while they learn, in year two.

Apprenticeship:

This program is a Registered Apprenticeship Program with the Department of Labor.

The Pursuit Institute (TPI) prepares Hamilton County students for a wide range of high-wage, high-skill, and in-demand careers. We provide robust Career and Technical Education Programs that ensure students have clear connections from the classroom to career. TPI programs position students to be successful in their future and contribute to their families, the community and local economy. Students have the opportunity to gain transferable skills, certifications, dual credit and to demonstrate learning in real-life settings, while meeting new demands in today's rapidly changing workplace for our employer partners. In partnership with schools, we create a talent pipeline of skilled and credentialed students.

Please contact your counselor for more information or to enroll in the program.

