

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:



TOM WOOD UNIVERSITY

Program Location:

**Tom Wood Ford
3130 E 96th St, Carmel**

YOUR PATH.
YOUR CAREER.
YOUR PURSUIT.

▶ YEAR ONE

M-F, 8:00 AM-11:00 AM or 12:30 PM-3:30 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, 8:00 AM-11:00 AM or 12:30 PM-3:30 PM

CAPSTONE	Automotive Service Capstone 1 Year, 6 Credits
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CURRICULUM

Principles of Automotive Services (7213) **Dual Credit**

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) **Dual Credit**

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) **Dual Credit**

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)

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.

Key Information:

This program meets Monday - Friday at Tom Wood Ford on 96th Street. Students will attend one of two sessions. AM Session is 8:00am-11:00am. PM Session meets 12:30-3:30pm. Students will be interviewed prior to acceptance in this program.

Dual Credit:

Dual credit is offered through Vincennes University. Students will earn the following 12 Credits in Year 1. Year 2 is TBD.

- AUTO 105 (2 CR) - Transportation Fundamentals
- AUTO 110 (3 CR) - Transportation Electrical
- AUTO 110 L (1 CR) - Transportation Electrical Lab
- AUTO 120 (5 CR) - Automotive Chassis Systems
- AUTO 120L (1 CR) Automotive Chassis Systems Lab

Employment:

Year 2 Students will have the opportunity to participate in a paid work experience and will earn while they learn. Year 1 students may be offered part time jobs after school hours, depending on need and student performance.

Postsecondary:

Students MAY be offered full time employment and training after graduation.

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.

