



Pine Technical &
Community College

Automotive Technology

- Associate of Applied Science
- Diploma • Certificate

This sequence of programs, from certificate to diploma to the AAS degree, prepares you with the technical knowledge and skills to repair, service, and maintain all types of automobiles. The program includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drivetrains, alternative fuels, and heating and air conditioning systems. In a highly-equipped, state-of-the-art lab/shop environment, delivered in a mix of hands-on training and theory, students learn the following skills: inspection, diagnosis and installation, troubleshooting, engine performance, use of high-tech diagnostic equipment, electrical components/fundamentals, engine installation, maintenance, customer service skills, computer database technical reference systems, and shop safety.

Recommended Course Sequence for Completion in 2 Years

Fall Semester 1

*ATMP 1209 Vehicle Service	3
ATMP 1289 Scan Tools	3
*ATMP 1265 Chassis	6
ATMP 1207 Basic Electricity	3
Total Credits	15

Spring Semester 1

ATMP 1230 Engines	6
*ATMP 1219 Brakes	3
ATMP 1223 Engine Electrical and Accessories	6
ATMP 1261 Alternative Fuels	1
Total Credits	16

Automotive Technology Certificate Earned!

Summer Semester 1

General Education Electives	2
MnTC Goal Area #1	4
Total Credits	6

Fall Semester 2

ATMP 1275 Electrical Diagnosis	3
ATMP 1243 Drivetrain	3
ATMP 1248 Automatic Transmission	6
General Education Electives	3
MnTC Goal Area 6	3
Total Credits	18

Spring Semester 2

ATMP 1255 Fuel Systems	6
ATMP 1281 General Shop	4
ATMP 1222 Air Conditioning and Heating	3
MnTC Goal Area 4	3
Total Credits	16

TOTAL DEGREE CREDITS **71**

Automotive Technology Diploma and AAS Earned!

*Check with our Transfer Specialist to determine if any knowledge or skills learned outside of the classroom may qualify for Credit for Prior Learning (CPL) college credit.

Career Outlook

The job market for automotive technicians is growing, and many job openings will be created by the need to replace retiring technicians. As a graduate of the PTCC Automotive Technology program, you will learn the skills to place you in a competitive position to take advantage of this growth and opportunity. Most new job openings will be available in automobile dealerships and independent repair shops. While some employers report difficulty finding workers with the right skills, PTCC graduates have the right mix of automotive diagnostic and problem-solving abilities, electronics training, computer knowledge and communication skills.

www.pine.edu/apply

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