

Automotive Technology

Peninsula College's Automotive Technology program is designed, in consultation with the College's Automotive Technology Advisory Committee, to meet the needs of today's modern-day workplace. Curriculum combines theory and hands-on experiences in the technical and interpersonal skills necessary to be a productive member of the automotive workforce. Emphasis is on the use of sophisticated equipment to keep automobiles operating in an environmentally sound and physically safe condition. Successful completion of this program leads to an Associate of Applied Science Transfer degree in Automotive Technology. The AAS-T option may improve the transferability of Associate of Applied Science degrees to some four-year programs.

Degree & Certificate Options

- Automotive Technology AAS Degree
- Automotive Technology AAS-T Degree

Short-Term Proficiency Certificates

- Automatic Transmissions and Transaxles
- Automotive Heating & Air Conditioning
- Automotive Suspension & Steering
- Brakes
- Electrical/Electronics Systems
- Engine Performance
- Engine Repair
- Manual Drivetrains and Axles

Students must have a 2.0 or higher in each course associated with a short-term certificate.

Program: Automotive Technology

Type: Professional Technical Program

STUDENT LEARNING OUTCOMES

Student Learning Outcomes

Upon completion of this program, students will be able to:

- Recognize unsafe situations that may occur in an automotive repair shop; identify the safety precautions that should be taken; relate the proper application of safety procedures; demonstrate safe operation of available equipment
- Demonstrate use of appropriate hand tools and a broad understanding of basic test equipment
- Apply a systematic approach; communicate effectively with owner/operators; project proper company image; demonstrate integrity/sound judgment; exhibit positive attitude/self-esteem; exhibit initiative (self-starter); demonstrate good housekeeping, planning, and organizational skills; show attention to details
- Perform necessary technical adjustments; verify actual symptoms; demonstrate knowledge of subassembly and components; use appropriate manuals and diagnostic tools; evaluate cost of corrective actions; demonstrate ability to interpret results, apply math to solve technical problems, and use specialized equipment
- Demonstrate manual dexterity, resourcefulness, creativity, and mechanical skills; use sensory perceptions and logical approach to problem solving/troubleshooting
- Interpret and understand manuals, drawings, specifications, and procedures; demonstrate proper reading and

application of technical literature; use correct terminology

- Demonstrate competencies to succeed in the selected career pathway workplace
- Demonstrate workplace specific skills, teamwork and customer service