

GENERAL MOTORS TRAINEE TECHNICIAN I, Certificate - 4166

Transportation & Fire Science Department

CIP Code: 47.0604

The Automotive Technology Certificate program is designed to serve the educational goals of high school and career and technology school graduates, as well as persons already employed, or new students seeking employment in the industry. This certificate is a fast track to the skills needed to gain entry-level employment and advance careers. During this one-year program students complete a 480-hour cooperative work experience at an approved automotive repair facility and complete the PA State Safety Inspector and Emission Inspector certifications. Graduates of career and technology school auto-mechanics programs, or applicants with substantial work experience, may receive up to nine credits towards completion of this certificate upon submitting appropriate documentation. This program is accredited in eight categories of automotive repair by the Automotive Service Excellence (ASE) Education Foundation. This certificate can be completed at the Harrisburg Campus through on-campus/in-person instruction.

Selective Program: Entry into this program is not guaranteed with admission to the College. Specific admissions criteria must be met, such as a passing grade on a mechanical aptitude test and the possession of a valid PA Driver's license. Please contact the Faculty Program Supervisor to schedule an appointment to review all of the entrance requirements.

Career Opportunities

Graduates enhance their promotion and advancement opportunities by stacking the Advanced Automotive Specialty Skills Diploma on this certificate. Certificate completers may also choose to enroll in the Automotive Technology AAS degree program.

Graduates of the program are prepared for employment as service technicians in the automotive industry.

(SOC Code: 49.3023 Automotive Service Technicians and Mechanics)

Competency Profile

This curriculum is designed to prepare students to:

- Complete the Pennsylvania State Emissions Inspector and Safety Inspection License Certifications
- Work as entry-level service technicians in automotive repair facilities or dealerships

PROGRAM REQUIREMENTS (TOTAL CREDITS = 30.5)

General Education	Major Requirements		Other Required Courses	
	AUTO 101 Automotive Fundamentals	3	WELD 111 Welding Fundamentals	3
	AUTO 103 Automotive Powerplants	3		
	AUTO 105 Fundamentals of Electrical/Electronics	3		
	AUTO 107 Fuel and Emission Control Systems	3		
	AUTO 110 PennDOT Safety & Emissions Inspection Certification	1.5		
	AUTO 151 Braking Systems	3		
	AUTO 153 Suspension Systems	3		
	AUTO 159 Automotive Heating and Air Conditioning Systems	3		
	AUTO 191 Cooperative Work Experience*	2		
	AUTO 205 Intermediate Automotive Electrical/Electronics	3		
		27.5		

*Enrollment after completion of AUTO 101, 103, 105, 151 and 153.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I	Spring Semester I	Summer
AUTO 101 3	AUTO 103 3	* AUTO 191 2
AUTO 105 3	AUTO 107 3	WELD 111 3
AUTO 151 3	AUTO 110 1.5	
AUTO 153 3	AUTO 159 3	
	AUTO 205 3	