

AUTOMOTIVE TECHNOLOGY

The automotive technology program provides the necessary training to diagnose, test, and repair the complicated workings of modern automobiles. Specific systems are covered in the classroom and then applied on automobiles in the lab and during the summer internship program. This training includes the latest electronic computer control ignition and fuel systems and front wheel drive automobiles. Graduates are ready for entry level positions as line technicians, service writers, and with experience, service managers and auto repair business owners.

(Enrollment into this program is limited and is based on the date of application.)

The Automotive Technology program is accredited through the National Automotive Technicians Education Foundation.



ASE Education Foundation
 1503 Edwards Ferry Rd., NE Suite 401 | Leesburg, VA 20176
 Phone: (703) 669-6650 | www.aseeducationfoundation.org/program-accreditation

Required Program of Study for Associate of Applied Science Degree (2 years)

FRESHMAN YEAR

First Semester

Course	Credits
AUTT 1010 Suspension, Steering and Brake Systems Theory	2.5
AUTT 1015 Suspension, Steering, and Brake Systems Lab	3.5
AUTT 1110 Electrical System Theory	2.5
AUTT 1125 Electrical System Lab	3.5
CAPL 1290 Introduction to Job Search and Employment*	1
MATH 1020 Technical Mathematics I*	3
WELD 1010 Related Welding	0.5
WELD 1020 Related Welding Lab	1
	17.5

Second Semester

Course	Credits
AUTT 1210 Electrical Tune-up and Fuel Systems Theory	2.5
AUTT 1225 Electrical Tune-up and Fuel Systems Lab	3.5
AUTT 1310 Automotive Electronics Theory	2.5
AUTT 1325 Automotive Electronics Lab	3.5
ENGL 1050 Workplace Communication*	3
	15

Required Summer Coursework (12 weeks)

Course	Credits
AUTT 1300 Cooperative Internship I	6
	6

SOPHOMORE YEAR

First Semester

Course	Credits
AUTT 2010 Clutch, Manual Transmission and Transaxle, Drive Shaft and Differential Theory	2.5
AUTT 2015 Clutch, Manual Transmission and Transaxle, Drive Shaft and Differential Lab	3.5
AUTT 2110 Automatic Transmission and Transaxle Theory	2.5
AUTT 2125 Automatic Transmission and Transaxle Lab	3.5
INFO 1000 Basic Computer Applications*	2
PSYC 1000 Human Relations*	2
	16

Second Semester

Course	Credits
AUTT 2210 Major Engine Theory	2.5
AUTT 2215 Major Engine Lab	3.5
AUTT 2310 Automotive Environmental Systems Theory	2.5
AUTT 2325 Automotive Environmental Systems Lab	3.5
ECON 1010 Personal and Business Finance*	2
INDT 1040 Industrial Process Dynamics* OR HVAC 2230 Physics of Building Science*	2
	16

Total Credit Hours 70.5

*See general education requirements.