

Automotive Technology

The automotive technology program provides the necessary training to diagnose, test, and repair the complicated workings of modern cars. 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.

The automotive technology program has incorporated an employer and student guarantee into its program of study that states: Any "certified" graduate judged to be lacking in technical job skill normally expected of a job-entry level employee will be provided further skill training of up to 14 credit hours, without charge, by Northeast Community College. For more detailed information on this guarantee, contact a program instructor.

Northeast Community College and Wayne State College have an agreement that Wayne State will accept up to 66 credit hours from Northeast toward a bachelor of science degree in technology. (Enrollment into this program is limited and is based on the date of application.)

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

<i>Freshman Year</i>

FIRST SEMESTER	
Course	Credits
AUTT 1010 Suspension, Steering and Brake Systems Theory (first 8 weeks)	2.5
AUTT 1020 Suspension, Steering, and Brake Systems Lab (first 8 weeks)	4.5
AUTT 1110 Electrical System Theory (second 8 weeks)	2.5
AUTT 1120 Electrical System Lab (second 8 weeks)	4.5
AUTT 1290 Job Search and Employment	1
INFO 1000 Basic Computer Applications	2
	17

SECOND SEMESTER	
Course	Credits
AUTT 1210 Electrical Tune-up and Fuel Systems Theory	2.5
AUTT 1220 Electrical Tune-up and Fuel Systems Lab	4.5
AUTT 1310 Automotive Electronics Theory	2.5
AUTT 1320 Automotive Electronics Lab	4.5
ECON 1010 Personal and Business Finance	2
MATH 1030 Applied Mathematics I	2
	18

REQUIRED SUMMER: 12 weeks

AUTT 1300 Cooperative Internship I 8
 Prerequisite: Successful completion of first and second semesters of the freshman year of the automotive technology program.

<i>Sophomore Year</i>

FIRST SEMESTER	
Course	Credits
AUTT 2010 Clutch, Manual Transmission/Transaxle, Drive Shaft and Differential Theory	2.5
AUTT 2020 Clutch, Manual Transmission/Transaxle, Drive Shaft and Differential Lab	4.5
AUTT 2110 Automatic Transmission/Transaxle Theory	2.5
AUTT 2120 Automotive Transmission/Transaxle Lab	4.5
MATH 1050 Applied Mathematics II	2
PSYC 1000 Human Relations	2
	18

SECOND SEMESTER	
Course	Credits
AUTT 2210 Major Engine Theory	2.5
AUTT 2220 Major Engine Lab	4.5
AUTT 2310 Automotive Environmental Systems Theory	2.5
AUTT 2320 Automotive Environmental Systems Lab	4.5
ENGL 1050 Career Composition	3
	17

Required Program of Study for Diploma (1 year)

Successful completion of the freshman year of the automotive technology associate of applied science degree program and the Summer Cooperative Internship I.