



Automotive Mechanics (604)

Associate of Applied Science

ABOUT OUR PROGRAM

This program prepares students for employment in the areas of computerized engine controls, air conditioning, transmissions, alignments, brakes, control systems diagnostics and engine service.

NATURE OF WORK AND EMPLOYMENT

Program graduates may find jobs repairing and servicing mechanical and electrical systems of passenger vehicles and light trucks. Job openings in the automotive field may be for general technicians or specialists in control systems diagnostics, engines, brakes, drive trains, transmissions, steering/suspension, electrical systems, tune-up/emission control, or heating and air conditioning. The outlook for employment in this occupation is excellent due to the increasing number of vehicles on the road and the growing complexity of automotive technology.

SPECIAL CONSIDERATIONS

Completion of this degree will provide all of the courses that a student will need to become an ASE (Automotive Service Excellence) Certified Automobile Service Technician. The program is accredited through NATEF (National Automotive Technicians Educational Foundation). A workplace experience is encouraged and may be made available.

PROGRAM CONTACTS

Call Highland at 815-235-6121 for the following program contacts:

- Scott Anderson, Dean of Business & Technology
- Jim Palmer, Automotive Technology Faculty
- Jeff Robertson, Automotive Technology Faculty
- Thedford Jackson, Transfer Coordinator/Student Advisor

First Semester

19 Sem. Hours

* AUTM	111	Suspension and Alignment	5
* AUTM	113	Brakes	4
* AUTM	115	Standard Transmission and Final Drives	4
* BUSN	141	Business Communications (or COMM 101 or ENGL 121)	3
WELD	135	Shield Arc/Oxy Welding	
	-or-		3
WELD	130	Introduction to Welding	

Second Semester

15 Sem. Hours

* AUTM	120	Fundamentals of Engines	3
* AUTM	122	Engine Components and Construction	3
* AUTM	124	Fundamentals of Electricity	4
* AUTM	138	Automotive Servicing	2
* MATH	111	Technical Math	
	-or-		3
BUSN	125	Mathematics of Business (or three credits from MATH 157 or above)	

Third Semester

16 Sem. Hours

* AUTM	231	Fundamentals of Electronics	3
* AUTM	233	Fuel Systems	3
* AUTM	235	Electronic Engine Controls	4
* AUTM	242	Automotive Body Electronics	3
* ECON	111	Principles of Economics I	
	-or-		3
* BUSN	225	Personal Finance	

Fourth Semester

17 Sem. Hours

* AUTM	237	Engine Performance	3
* AUTM	238	Advanced Automotive Data Analysis	3
* AUTM	240	Automatic Transmissions	5
* AUTM	248	Automotive Heating and Air Conditioning	3
* BUSN	124	Introduction to Small Business	3

Total Hours =

67

* Course has a prerequisite. See course descriptions.

