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. Certification is possible in Automotive Service Excellence/Master Automobile Technician.

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 Master Automobile Service Technician. The program is accredited through NATEF (National Automotive Technicians Educational Foundation).

PROGRAM CONTACTS

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

Mr. Scott Anderson, Dean of Business & Technology
Mr. Jeff Robertson, Automotive Technology Faculty
Mr. Jim Palmer, Automotive Technology Faculty
Mr. 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 & Final Drives	4
*	BUSN	141	Business Communications	3
	(or COMM 101 or ENGL 121)			
	WELD	135	Shield Arc/Ox Welding	3

SECOND SEMESTER 16 Sem. Hours

*	AUTM	120	Fundamentals of Engines	3
*	AUTM	122	Engine Components and Construction	3
*	AUTM	124	Fundamentals of Electricity	4
*	AUTM	146	Automotive Servicing	2
*	BUSN	125	Mathematics of Business	3
	INFT	Elective		1

THIRD SEMESTER 16 Sem. Hours

*	AUTM	231	Fundamentals of Electronics	3
*	AUTM	233	Fuel Systems	3
*	AUTM	235	Electronic Engine Controls	4
*	AUTM	237	Engine Performance	3
	Economic Principles (ECON111 or BUSN 225)			3

FOURTH SEMESTER 18 Sem. Hours

*	AUTM	240	Automatic Transmissions	5
*	AUTM	242	Automotive Body Electronics	3
*	AUTM	246	Advanced Automotive Data Analysis	3
*	AUTM	248	Automotive Heating & Air Conditioning	3
	INFT	Elective		1
*	BUSN	124	Intro to Small Business	3

TOTAL HOURS = 69

* Course has a prerequisite. See course descriptions.