Automotive Service Level II (637)

Pending ICCB Approval

CERTIFICATE PROGRAM

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/Certified 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 certificate 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 ASEEF (Automotive Service Excellence Education Foundation).

Program Contacts

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

- Scott Anderson, Vice President of Business, Technology, and Community Programs
- Jim Palmer, Automotive Technology Faculty
- Kristin Stinnett, Automotive Technology Faculty
- Vicki Schulz, Student Advisor/Transfer Coordinator

First Semester — 15 Credit Hours

*	AUTM	231	Fundamentals of Electronics	3
*	AUTM	233	Fuel Systems	3
*	AUTM	235	Electronic Engine Controls	3
*	AUTM	242	Automotive Body Electronics	3
*	BUSN	141	Business Communications (or COMM 101 or ENGL 121)	3

Second Semester — 16 Credit Hours

*	AUTM	237	Engine Performance	3
*	AUTM	238	Advanced Automotive Data Analysis	3
*	AUTM	240	Automatic Transmissions	4
*	AUTM	248	Automotive Heating and Air Conditioning	3
*	MATH	111	Technical Math	
			-or-	3
*	BUSN	125	Mathematics of Business (or three credits from MATH 157 or above)	

Total Credit Hours = 31

* Course has a prerequisite. See course description.

CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS

Transportation, Distribution & Logistics