

Automotive Technology

Award Granted Upon Completion: Associate in Applied Science Degree

Credits Required: 71-72

Contacts Required: 93-106

Program Description

The Automotive Technology program is designed to provide a combination of theoretical and practical skills to enable graduates to move rapidly in their chosen occupational field. Students learn to apply automotive operating principles and to diagnose malfunctions in automotive systems. The program emphasizes the development of skills in service, repair and diagnostic procedures.

With state regulations, certification of auto technicians is required by law. The program provides an opportunity for students to prepare themselves for technician certification exams. The automotive industry has experienced a great deal of growth during the past one hundred years. It continues to remain a young, healthy and a growing industry. Great opportunities await alert students seeking a profitable and challenging career in the future. Year by year, as automotive systems become more sophisticated, there is an increasing demand for trained technicians who have the knowledge and skill to service the ever changing and improved products. Equipment: Students are required to provide their own safety equipment, work clothes and basic hand tool set. A list is provided. Estimated cost is between \$1,000 and \$2,500. Special student discounts are available. A quality set of hand tools is required by the second week of the semester for the co-op program and future employability. Types of Jobs: Dealership service technicians, assistant or parts department manager, skilled jobs in automotive manufacturing, service equipment representative, rebuilding shop assembler, repair shop operator.

General Education Requirements

Communication:

Writing	- EN	101	Rhetoric and Composition	4/4
Speaking	- CM	103	Interpersonal Communications	3/3
			OR	
	- CM	104	Public Speaking	4/4
Listening and Reading			Concepts threaded throughout the program via all courses	

Social and Behavioral Sciences:

Choose one of the courses listed on page 60 in the catalog under Social Science Courses Acceptable Toward an Associate Degree.

Humanities:

Choose one of the courses listed on page 59 in the catalog under Humanities Courses Acceptable Toward an Associate Degree.

Mathematical Problem Solving and Critical Thinking:

Math	- MA	102	Shop Math	4/4
			OR	
	- MA	115	Tech. Algebra & Trigonometry I	4/4
			OR	
	- BU	156	Mathematics of Business	4/4

*Note: Transfer students should choose MA 110 or a higher level math in order to receive transfer credit for math.

Program Requirements

AU 110, AU 120, AU 140, AU 150, AU 200, AU 220, AU 272, 15-16 credits of electives.

Electives

AU 100	Auto Engine Repair (Fall)	5/8
AU 130	Auto Manual Drive Train & Axles (Fall)	4/6
AU 230	Automatic Transmissions (Winter)	5/8
AU 270	Auto HVAC Systems (Winter)	3/4

Suggested Sequence Per Semester

First Semester

AU 110	Auto Brakes	5/8
AU 120	Auto Electrical I	5/8
AU 140	Auto Eng. Perf. I	5/8
AU xxx	AU 100 or AU 130 or AU 230 or AU 270	3-5/4-8
	Total	18-20/28-32

Second Semester

AU 150	Auto Susp. & Steering	5/8
AU 200	Auto Eng. Perf. II	5/8
AU 220	Auto Electrical II	5/8
AU xxx	AU 100 or AU 130 or AU 230 or AU 270	3-5/4-8
	Total	18-20/28-32

Spring/Summer

AU 272	Automotive Co-op	6/6
	Total	6/6

Third Semester

EN 101	Rhetoric and Comp.	4/4
MA xxx	Math Elective	4/4
CM 103	Interpersonal Communications	3/3
	OR	
CM 104	Public Speaking	4/4
AU xxx	AU 100 or AU 130 or AU 230 or AU 270	3-5/4-8
	Total	14-17/15-20

Fourth Semester

XX xxx	Humanities Elective	4/4
XX xxx	Social Science Elective	4/4
AU xxx	AU 100 or AU 130 or AU 230 or AU 270	3-5/4-8
	Total	11-13/12-16