

AUTOMOTIVE SERVICE & REPAIR
Certificate / Associate in Applied Science (AAS) Degree

Certificate Minimum Credits: 40.0
Contact Hours: 62.0

AAS Degree Minimum
Credits: 66.0
Contact Hours: 97.0

INTRODUCTION: This one-year certificate program prepares the successful graduate for a number of entry-level employment positions in the automotive service field. By working with his/her academic advisor, a successful certificate graduate can study additional time to achieve a master certification and/or earn an associate degree.

BASIC CERTIFICATE COURSES

COURSE	TITLE	CREDITS	CONTACT HOURS
AUT 118	Automotive Fundamentals	4.0	6.0
AUT 119	Automotive Brake Systems	5.0	8.0
AUT 122	Automotive Air, Fuel & Emissions Systems	4.0	6.0
AUT 123	Automotive Suspension, Steering & Alignment	5.0	8.0
AUT 124	Automotive Electrical & Electronics Systems I	5.0	8.0
AUT 125	Automotive Electrical & Electronics Systems II	5.0	8.0
AUT 201	Computerized Engine Controls	4.0	6.0
AUT 202	Engine Performance Diagnosis & Tune-Up	5.0	8.0
AUT 205	Auto Climate Control	<u>3.0</u>	<u>4.0</u>
BASIC COURSES MINIMUM CREDITS/CONTACT HOURS:		40.0	62.0

MASTER CERTIFICATE COURSES

COURSE	TITLE	CREDITS	CONTACT HOURS
AUT 203	Automotive Manual Transmission & Drive Lines	4.0	6.0
AUT 206	Automatic Transmissions	5.0	8.0
AUT 221	Engine Repair & Overhaul	<u>5.0</u>	<u>8.0</u>
MASTER CERTIFICATE MINIMUM CREDITS/CONTACT HOURS:		54.0	84

AAS PROGRAM COURSES

COURSE	TITLE	CREDITS	CONTACT HOURS
ENG 120 or ENG 111	Applied Communications or English Composition I	3.0	3.0
ENG 123 or ENG 112	Technical Communications or English Composition II	3.0	3.0
MTH 110 or MTH 113 or MTH 115	Technical Math or Intermediate Algebra or Applied Algebra & Trigonometry I	3.0-5.0	4.0-6.0
PLS 221	American Government & Politics	<u>3.0</u>	<u>3.0</u>
AAS DEGREE MINIMUM CREDITS/CONTACT HOURS:		66.0-67.0	97.0-99.0

SUGGESTED SEQUENCING OF COURSES (CERTIFICATE)

YEAR 1 (FALL SEMESTER) <u>19.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) <u>14.0</u> CREDITS		CREDITS	CONTACT HRS
AUT 118 Automotive Fundamentals	4.0	6.0	AUT 125 Auto Electrical & Electronics Syst II	5.0	8.0		
AUT 119 Automotive Brake Systems	5.0	8.0	AUT 201 Computerized Engine Controls	4.0	6.0		
AUT 123 Auto Suspension, Steering & Alignment	5.0	8.0	AUT 202 Eng Perform Diagnosis & Tune-Up	<u>5.0</u>	<u>8.0</u>		
AUT 124 Auto Electrical & Electronics Syst I	<u>5.0</u>	<u>8.0</u>	TOTAL	14.0	22.0		
TOTAL	19.0	30.0					
YEAR 1 (SUMMER SEMESTER) <u>7.0</u> CREDITS				CREDITS	CONTACT HRS		
AUT 122 Auto Air, Fuel & Emissions Systems				4.0	6.0		
AUT 205 Auto Climate Control				<u>3.0</u>	<u>4.0</u>		
TOTAL				7.0	10.0		

NOTES:

Master Certificate can be obtained by completing the Certificate requirements (Basic Courses), then adding the Master Certificate Courses, which are offered on a rotating basis every other year.

Associate in Applied Science Degree (AAS) can be earned by completing the Master Certificate and adding the AAS Program Courses.

Tool Requirements: Students are required to provide their own safety equipment, work clothes, and basic hand tool set. A list is provided. Estimated cost is \$1,000 to \$2,500. Special student discounts and deferred payment programs are available. A quality set of hand tools is required for future employability.