

<b>AUTOMOTIVE SERVICE &amp; REPAIR</b>	<b>Certificate Minimum Credits: 36.0</b>	<b>AAS Degree Minimum Credits: 60.0</b>
<b>Certificate / Associate in Applied Science Degree (AAS)</b>	<b>Contact Hours: 56.0</b>	<b>Contact Hours: 87.0</b>

**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 become master certified and/or earn an associate degree.

**BASIC CERTIFICATE COURSES**

COURSE	TITLE	CREDITS	CONTACT HOURS
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>
<b>BASIC CERTIFICATE MINIMUM CREDITS/CONTACT HOURS:</b>		<b>36.0</b>	<b>56.0</b>

**MASTER CERTIFICATE COURSES**

AUT 209	Automotive Transmissions & Drive Trains	5.0	8.0
AUT 221	Engine Repair & Overhaul	<u>5.0</u>	<u>8.0</u>
		<u>10.0</u>	<u>16.0</u>
<b>MASTER CERTIFICATE MINIMUM CREDITS/CONTACT HOURS:</b>		<b>46.0</b>	<b>72.0</b>

**AAS PROGRAM COURSES**

ENG 120 or ENG 111	Applied Communications or English	3.0	3.0
ENG 123 or ENG 112	Technical Communications or English	3.0	3.0
MTH 110 or MTH 113 or MTH 115	Technical Math or Intermediate Algebra or Applied Algebra & Trig I	3.0-5.0	4.0-6.0
PLS 221	American Government & Politics	3.0	3.0
	General Elective	<u>2.0-3.0</u>	<u>2.0-4.0</u>
		14.0-17.0	15.0-19.0
<b>AAS DEGREE MINIMUM CREDITS/CONTACT HOURS:</b>		<b>60.0</b>	<b>87.0</b>

**SUGGESTED SEQUENCING OF COURSES:**

YEAR 1 (FALL SEMESTER) <u>15.0</u> CREDITS	CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) <u>14.0</u> CREDITS	CREDIT	CONTACT HRS
AUT 119 Automotive Brake Systems	5.0	8.0	AUT 125 Auto Electrical & Electronics Syst II	5.0	8.0
AUT 123 Auto Suspension, Steering & Alignment	5.0	8.0	AUT 201 Computerized Engine Controls	4.0	6.0
AUT 124 Auto Electrical & Electronics Syst I	<u>5.0</u>	<u>8.0</u>	AUT 202 Eng Perform Diagnosis & Tune-Up	<u>5.0</u>	<u>8.0</u>
TOTAL	15.0	24.0	TOTAL	14.0	22.0
<b>YEAR 1 (SUMMER SEMESTER) <u>7.0</u> CREDITS</b>					
AUT 205 Automotive Climate Control	3.0	4.0			
AUT 122 Auto Air, Fuel & Emissions Systems	<u>4.0</u>	<u>6.0</u>			
TOTAL	7.0	10.0			
<b>YEAR 2 (FALL SEMESTER) <u>11.0-13.0</u> CREDITS</b>					
AUT 221 Engine Repair and Overhaul	5.0	8.0	<b>YEAR 2 (SPRING SEMESTER) <u>13.0-14.0</u> CREDITS</b>		
ENG 120 or ENG 111	3.0	3.0	AUT 209 Automotive Trans & Drive Trains	5.0	3.0
MTH 110, 113, or 115	<u>3.0-5.0</u>	<u>3.0-6.0</u>	ENG 123 or ENG 112	3.0	3.0
TOTAL	11.0-13.0	14.0-17.0	PLS 221	3.0	<u>2.0-3.0</u>
			General Elective	<u>2.0-3.0</u>	16.0-17.0
			TOTAL	13.0-14.0	

**NOTES:**

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.