

**AUTOMOTIVE TECHNOLOGY**

This program of study emphasizes the skills needed for employment in the automotive repair industry. This is an ASE certified NATEF program. Instructors are ASE Master Certified Technicians.

Technical Certificate Option - The Technical Certificate, in Automotive Technology, is a four semester program that contains technical and advanced technical courses.

- **Associate of Applied Science Degree Option** - The Associate of Applied Science degree, in Automotive Technology, is a five semester program that contains technical, advanced technical and **general education courses**.

**Admission Criteria:** Placement test and preadmission advising.

**Technical Education Courses**

Fall Semester A*			Spring Semester A*		
Course Title		Credits	Course Title		Credits
AUT 100	Shop Safety/Management	1	AUT 132	Engine Performance 2	4
AUT 109	Steering and Suspension 1	3	AUT 133	Engine Performance 3	3
AUT 110	Steering and Suspension 2	2	AUT 155	Automotive Diesel Technologies	1
AUT 131	Engine Performance 1	3	AUT 160	Hybrid/Electric Vehicles	1
AUT 135	Electrical 1	3	AUT 235	Electrical 3	3
AUT 140	Electrical 2	2	AUT 240	Electrical 4	2
<b>Semester Total</b>		<b>14</b>	<b>Semester Total</b>		<b>14</b>

Fall Semester B*			Spring Semester B*			
Course Title		Credits	Course Title		Credits	
AUT 115	Engine Repair 1	2	AUT 146	Brakes 1	3	
AUT 120	Engine Repair 2	3	AUT 150	Brakes 2	2	
AUT 221	Manual Drive Train 1	1	AUT 210	Automotive HVAC	4	
AUT 241	Automatic Transmissions & Transaxles 1	3	AUT 222	Manual Drive Train 2	3	
AUT 242	Automatic Transmissions & Transaxles 2	3	AUT 260	ASE Preparation	1	
<b>Semester Total</b>		<b>12</b>	<b>Semester Total</b>		<b>13</b>	
					<b>Total Technical Certificate Credits</b>	<b>53</b>

<b>General Education Courses.....Credits</b>	
COM 102 Interpersonal Communications or COM 105 Public Speaking .....	3
CSA 105 Introduction to Computer Applications and Concepts.....	3
ENG 100 Technical Writing or ENG 101 English Composition I .....	3
HUM 101 Ethics in the Workplace or PSY 101 General Psychology.....	3
MAT 101 Technical Math or MAT 150 College Algebra .....	3

**TOTAL GENERAL EDUCATION CREDITS.....15**

**TOTAL AAS PROGRAM CREDITS.....68**

**PROGRAM OUTCOMES**

- Diagnose, service, and repair automotive electrical systems.
- Diagnose, service, and repair disc, drum, and anti-lock braking systems and brakes.
- Diagnose, service, and repair suspension and steering systems.
- Diagnose, service, and repair heating and air conditioning systems.
- Diagnose, service, and repair engines.
- Diagnose, service, and repair heating and automatic transmissions and transaxles.
- Diagnose, service, and repair manual drive trains and axles.

**GENERAL EDUCATION PROGRAM OUTCOMES**

- Compose coherent written communication.
- Deliver coherent oral communication.
- Show proficiency in locating, analyzing, documenting, and ethically using information sources.
- Perform and interpret calculations.
- Develop logical problem solving skills and/or critical thinking skills.
- Identify appropriate strategies for gathering, analyzing, and displaying data to draw conclusions from scientific data.
- Collaborate effectively, which cultivates a respect for human diversity.
- Demonstrate technology literacy appropriate to area of study.

