

# Automotive Technology

## Certificate

**Purpose:** The curriculum is designed to meet the need for trained automotive mechanics in all areas of the automotive industry. The program will provide students with experience in the maintenance and repair of a wide variety of automobiles, as well as light to medium duty trucks. Program graduates will receive instruction in the basic skills and sufficient hands-on experience to be able to apply that learning to practical everyday shop situations.

**Occupational Objectives:** Auto Mechanic, State Safety Inspector, Service Advisor, Maintenance Technician, Parts Clerk, and Service Writer

**Admission Requirements:** General college curricular admission

**Program Notes:** Students are strongly encouraged to meet with the program head either before registering for their first semester or early in their first semester of study.

**Computer Competency Requirement:** Students in this program will meet the college's computer competency requirement by successfully completing ITE 115. Students can also meet this requirement by successfully passing the college's computer competency exam, administered in the testing centers on each campus, in which case they will receive college credit for ITE 115. Students not passing the computer competency exam may retake the exam only once.

CURRICULUM				
COURSE	TITLE	LEC. HRS.	LAB. HRS.	CRS. CRE.
WEL 120	Fundamentals of Welding	1	3	2
SDV 100	College Success Skills	1	0	1
AUT 111	Automotive Engines I	3	3	4
AUT 236	Automotive Climate Control	3	3	4
AUT 241	Automotive Electricity I	2	3	3
ENG 111 or ENG 137	College Composition I or Communication Processes	3	0	3
<b>TOTAL</b>		13	12	17
AUT 242	Automotive Electricity II	2	3	3
AUT 126	Auto Fuel and Ignition Systems	4	3	5

AUT 141	Auto Power Trains I	3	3	4
AUT 197	Cooperative Education	0	10	2
____ <sup>1</sup>	General Education Elective	3	0	3
<b>TOTAL</b>		12	19	17
ITE 115	Introduction to Computer Applications and Concepts	3	0	3
AUT 142	Auto Power Trains II	3	3	4
AUT 165	Auto Diagnosis and Tune-Up	1	3	2
AUT 267	Automotive Suspension and Braking Systems	3	3	4
AUT 197 or ____ <sup>2</sup>	Cooperative Education or Approved Elective	0	10	2
____ <sup>1</sup>	Personal Wellness Elective	0-2	0-4	2
<b>TOTAL</b>		10-12	19-23	17
<b>Total Minimum Credits for Certificate in Automotive Technology</b>				<b>51</b>
<sup>1</sup> A list of approved general education electives (humanities/fine arts, social/behavioral sciences, mathematics, science, and personal wellness) is provided in the General Education section of the catalog under Curriculum Planning and Design. <sup>2</sup> A list of approved electives is available from the program head.				