

## **AUTOMOTIVE TECHNOLOGY**

The Associate of Applied Science Degree (AAS) in Automotive Technology prepares students for entry-level employment in the automotive industry. The Automotive Technology program is certified by the National Automotive Technicians Education Foundation (NATEF), which follows the industry-wide standards and curriculum. Upon completion of this program students will be able to analyze engine diagnostic problems, demonstrate and apply skills learned to perform computerized wheel alignments and other steering and suspension repairs, utilize additional electrical training to explain more complex electrical circuits and select and demonstrate the ability to locate service repair information by different types of media. Students are encouraged to complete the requirements of the one-year certificate before beginning the second year of coursework.

**Occupational Objective:** Entry-level Automotive Technician with automotive dealerships, independent repair shops, fleet shops and other related areas.

<b>Related Instruction Requirements</b>		<b>Credits</b>
CAPP 131	Basic MS Office	3
HLTH 100	Health (One Course)	2
HS 100	Human Relations	1
M 111	Technical Mathematics	3
NASX 100	NASX (One Course)	3
WRIT 104	Workplace Communications	3

**Total Related Instruction credits required for degree** **15**

<b>Automotive Technology Program of Study</b>		<b>Credits</b>
AUTO 110	Shop Orientation	2
AUTO 120	Chassis I	4
AUTO 121	Chassis II	4
AUTO 140	Electrical I	4
AUTO 141	Electrical II	4
AUTO 220	Chassis III	4
AUTO 240	Electrical III	4
AUTO 250	Basic Engine Performance	2
AUTO 251	Engine Performance I	4
AUTO 252	Engine Performance II	4
AUTO 253	Engine Performance III	2
SCI 106	Electrical Fundamentals	3
WLDG 105	Introduction to Welding	3
	Electives	2

**Total Program of Study credits required for degree** **46**

**Total credits required for degree** **61**

### **Automotive Technology Program Learning Outcomes**

- Students will demonstrate knowledge and an understanding of the use of proper tools, equipment and procedures to safely perform automotive repairs.
- Demonstrate necessary skills to identify and repair defective braking systems, steering and suspension problems, perform electrical diagnostics and repair.
- Communicate through both verbal and written communication in common automotive terminology.
- Develop the abilities to locate service repair information with different types of media.
- Students will develop essential workplace skills and attributes necessary for an automotive related career.