

# Automotive Service Technology

## Associate in Occupational Technology (AOT)

Available: Shoals Campus

Advisors: E. Creekmore (5449) eric.creekmore@nwsccl.edu

Students desiring to receive the AOT award must complete all major certificate courses, one minor certificate course of study, and the required credit hours of general education courses in Areas I, II, III, and IV. Upon completion of all the courses listed, students are eligible to receive the Associate in Occupational Technology Degree. Students desiring to take general education courses for transfer to another institution should consult an advisor for proper general education course selection.

**Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.**

Computer competency skills are embedded within one or more courses required in this curriculum.

**Program:** Automotive Service Technology

### Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required;
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy Placement Testing requirements.

### Area I: Written Composition

Item #	Title	Credits
	ENG 101 or ENG 100	3

### Area II: Humanities and Fine Arts

**Preferred ART 100 or MUS 101.** \*Note SPH107 or foreign language may NOT be the one course designated to fulfill the SACSCOC Core Requirement for Humanities and Fine Arts.

Item #	Title	Credits
	ART 100 or MUS 101	3

### Area III: Natural Sciences and Mathematics

A minimum of 3 hours in MTH 116 or MTH 100 or Higher is required. The additional 3-4 hours of degree creditable coursework may be taken from disciplines of math, biology, chemistry, physical science, physics, environmental technology.

Item #	Title	Credits
	MTH 100 or MTH 116 or higher	3
	Math or Science Elective	3-4

## Area IV: History, Social and Behavioral Sciences

Courses may be taken from the disciplines of history, economics, geography, political science, psychology, and sociology.

**Please choose from one of the following..**

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	Social and Behavioral Sciences Elective	3

## Area V: Technical Concentration and Electives

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
AUM 101	Fundamentals of Automotive Technology	3
AUM 112	Electrical Fundamentals	3
AUM 121	Braking Systems	3
AUM 122	Steering, Suspension and Alignment	3
AUM 124	Automotive Engines	3
AUM 130	Drive Train and Axles	3
AUM 133	Motor Vehicle Air Conditioning	3
AUM 162	Electrical and Electronic Systems	3
AUM 224	Manual Transmission and Transaxle	3
AUM 230	Auto Transmission and Transaxle	3
AUM 239	Engine Performance	3
AUM 244	Engine Performance and Diagnostics	3
AUM 246	Automotive Emissions	3
AUM 291	Co-Op	3
	AUM Elective	3

## Minor Requirements: Machine Shop

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MSP 101	Basic Machining Technology	5
MSP 102	Intermediate Machining Technology	5
MSP 121	Basic Blueprint Reading for Machinists	2

## Minor Requirements: Business Management

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
BUS 275	Principles of Management	3
	BUS Elective (3 credits)	9

## Minor Requirement: MSSC Certified Production Technician

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ADM 291	Mssc Safety Course	3
ADM 292	MSSC Quality Practices and Measurement Course	3
ADM 293	MSSC Manufacturing Processes and Production Course	3
ADM 294	MSSC Maintenance Awareness Course	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>72</b>