

# Automotive Technology

## Lincoln and Milford Campuses Associate of Applied Science Degree

### Types of jobs available:

- Diagnostic and repair of all areas of the vehicle, including all aspects of engine repair, transmissions, suspension systems, brakes, electrical/electronics, heating and air conditioning and drivability.
- Service writer
- Service dispatcher
- Service manager
- Warranty clerk
- Parts counter personnel
- Sales associate

Activities in this field include researching service information using manuals or computer-based programs, using an extensive array of hand tools and diagnostic equipment, writing, speaking, and basic math skills.

Program graduates are employed in dealerships, independent shops, fleet service facilities and owner/operator shops.

### Program overview

This program is located on the Milford and Lincoln campuses. Upon completion of the Associate of Applied Science degree, graduates will have earned one year toward the two-year ASE certification.

### For more information contact:

**Ken Jefferson, Program Chair – Lincoln**  
402-437-2640, 800-642-4075 ext. 2640,  
kjeffers@southeast.edu

**Rick Mophew, Program Chair – Milford**  
402-761-8317, 800-933-7223 ext. 8317,  
rmophew@southeast.edu

or the College Admissions Office  
Lincoln 402-437-2600, 800-642-4075 ext. 2600  
Milford 402-761-8243, 800-933-7223 ext. 8243

This program is accredited by the National Automotive Technicians Educational Foundation (NATEF), 101 Blue Seal Drive, Suite 101, Leesburg, VA 20175, 703-669-6125, www.natef.org

### Credit Hours Required for Graduation:

**130.5-132.0**

The Automotive Technology program is nationally recognized and is certified by the National Automotive Technicians Education Foundation, and is led by Automotive Service Excellence-certified instructors. The program provides students the fundamental knowledge and experience needed to become entry level technicians in the automotive industry.

### Special program requirements:

All AUTT courses must be passed with a "C" or higher to graduate. Prerequisites are determined by campus and program advisors.

### Automotive Courses:

COURSE #	COURSE TITLE	CREDIT HRS
AUTT1000	Shop Procedures	2.0
AUTT1100	Shop Safety & Repair	2.5
AUTT1103	Drive Trains	3.0
AUTT1106	Electrical Concepts	6.0
AUTT1107	HVAC I	4.5
AUTT1108	Automotive Fuel and Control Systems	7.5
AUTT1202	Steering & Suspension Theory	4.0
AUTT1203	Manual Transmission/Transaxle Theory	4.0
AUTT1205	Brake Systems Theory	5.0
AUTT1206	Automotive Electricity	3.5
AUTT1207	HVAC II	2.0
AUTT1212	Steering & Suspension Lab	2.5
AUTT1215	Brake Systems Lab	2.5
AUTT1221	Engine Theory	5.0
AUTT1222	Engine II	10.0
AUTT1306	Automotive Ignition Systems	1.5
AUTT1406	Automotive Electronics I	3.5
AUTT1408	Advanced Engine Performance	9.0
AUTT1506	Automotive Electronics II	4.0
AUTT2102	Automatic Transmission/Transaxle	12.5
AUTT2303	Manual Transmission/Transaxle Lab	4.0
AUTT1200	Informational Systems (M) or	1.0
AUTT1712	Introduction to Hybrid Vehicles (L)	1.5
WELD1176	Automotive & Motorcycle Welding (L) or	2.5
WELD1181	Automotive, ASE, ASSET, & CAP Welding (M)	1.5
		<b>102.5-103.5 hours</b>
Optional		
TRUK1101	CDL-Class B Training	2.0

### General Education Requirements:

Contact your program advisor to select general education course/s from each category which will meet your program's graduation requirements. See page 16 for complete list.

(One class from each area below).

Oral Communications	4.5
Written Communications	4.5
Science	
PHYS1150 Descriptive Physics	6.0
(Two classes from the four areas below; no two classes from the same area).	
Mathematics, Social Science, Humanities, and/or Computer Technology	9.0
	<b>24.0 hours</b>
Advisor Approved Elective	4.5
	<b>28.5 hours</b>



Students are required to provide or purchase a basic tool set during the first quarter. A required tool list and more information can be acquired by contacting the program.

Students also are required to wear program shirts while in class or laboratory settings. Shirts are available for purchase through the SCC bookstore.

All instructors in this area are ASE certified in the areas they teach. Accredited by NATEF

