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

For more information contact:
Barry Smith, Program Director – Lincoln
402-437-2643, (800) 642-4075 ext. 2643
bsmith@southeast.edu

Kevin Uhler, Program Director – Milford
402-761-8367, (800) 933-7223 ext. 8367
kuhler@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

Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College’s policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, Fax 402-323-3420, or jsto@southeast.edu. This publication should not be considered a contract between SCC and any prospective student. SCC’s Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice.

Credit Hours Required for Graduation: Associate of Applied Science Degree.................................................66.5 - 67.5

Top Career Options

• Automotive Technician
• Oil/Lube Technician
• Service Technician
• Parts Distribution or Parts Sales
• Service Advisor

Graduate Earnings
Recent graduates report an average starting wage of $14.30 per hour.

2019-20 PROGRAM OF STUDY

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General Education Requirements:

Contact your program advisor to select general education courses from each category which will meet your program’s graduation requirements. See the General Education pages online for a complete list. (One class from each area below.)

- Oral Communications: 3.0
- Written Communications: 3.0
- Critical Thinking & Problem Solving: 4.0
- PHYS1150 Descriptive Physics: 3.0

(Plus two classes from the three areas below; no two classes from the same area.) Global Awareness and Citizenship, Analytical, Quantitative and Scientific Reasoning, and/or Career and Life Skills. See catalog for eligible classes.

16.0 hours

Automotive Courses:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course title</th>
<th>Credit hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTT1102</td>
<td>Basic Automotive Maintenance &amp; Light Repair</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT1126</td>
<td>Automotive Electrical I</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT1214</td>
<td>Steering, Suspension &amp; Brakes</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT1216</td>
<td>Automotive Electrical II &amp; HVAC</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT2103</td>
<td>Drivetrains</td>
<td>3.5</td>
</tr>
<tr>
<td>AUTT2112</td>
<td>Automatic Transmission/Transaxle</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT2135</td>
<td>Advanced Control Systems</td>
<td>4.0</td>
</tr>
<tr>
<td>AUTT2201</td>
<td>Engine Repair</td>
<td>6.0</td>
</tr>
<tr>
<td>AUTT2208</td>
<td>Engine Performance</td>
<td>6.0</td>
</tr>
<tr>
<td>WELD1190</td>
<td>O/A and GMAW Welding (Milford)</td>
<td>1.0</td>
</tr>
<tr>
<td>or</td>
<td>WELD1176 Automotive and Motorcycle Welding (Lincoln)</td>
<td>2.0</td>
</tr>
</tbody>
</table>

50.5 – 51.5 hours

Automotive APPROVED TOOL LIST

The following tool list includes the basic tools a student will be required to have to successfully complete the Automotive Technology program. The student should discuss with their advisor the timeline for purchasing specific tools and suggested optional tools. The College does not recommend, nor endorse, any specific brand of tools. The student should give careful consideration when selecting tools he/she will use in their career.

Tool Storage
42” Roll-Away (maximum size)
*Hand carry tool box w/padlock (max 9”W x12”H x 20”L)

Wrenches
1/4” - 1 1/4” standard combination 12 pt. 6 mm - 19 mm standard combination 12 pt.
Adjustable wrench - 12” Flare Wrench Set 3/8-11/16 & 9 mm – 18 mm

1/4 Drive
3/16” - 9/16” standard 6 pt. and deep 6 pt. 5mm -14mm standard 6 pt. and deep 6 pt.
Extensions (3) 2”, 4”, 6” or equivalent
Ratchet
Universal joint
Drive handle

3/8 Drive
Spark plug 5/8 and 13/16
Extensions (4) 1”-12”
Torx T10-T60
Flex head ratchet
3/8” Air ratchet
3/8”/3-1/4” flex impact
10 mm -19 mm flex impact
Universal joint
3/8” drive extension – 36”
3/8 Torque wrench 15-100 ft/lb or equivalent

1/2 Drive
3/8” - 1 1/4” standard 12 pt. 10 mm - 24 mm standard 12 pt.
10 mm - 24 mm deep impact 6 pt.
Breaker bar 15” – 24” min
Extensions (3) 3”, 5”, 10” or equivalent
1/2” Air impact
1/2” Torque wrench 40 – 250 ft/lb
**30, 32, 34 & 36 mm deep impact sockets

Screwdrivers
Standard (5) 1/8”, 3/16”, 1/4”, 5/16”, 3/8” Phillips (3) 1, 2, 3
Pocket screwdriver
1 set Torx Screwdrivers (TX10-TX30)

Pliers
Combination 6” slip-joint combination
Diagonal cut 7”
Needle nose 6”
Wire crimper/cutter/stripper
Vise-Grip (3) 5” curved, 10” curved, 6” long nose
Battery pliers
Fixed tip Snap ring convertible pliers 6” & 8” straight tip
(038”, 045”, & 070”)
Lock ring pliers
Spark plug boot
Adjustable joint 10” (min.)

Hammers
Ball peen (2) 16 oz, 32 oz
Dead Blow (24 oz to 26 oz)

Punches/Chisels/Files/Saw
12” Hack saw w/blades
Punches & Chisels set (minimum 12 piece – including center punch)
Brass drift 6” minimum
Half round nose cape chisel
Files (3) 10” flat, 8” round, 6” Tri

File card
File handles

Electrical
Fluke 87 or 88 Multi-meter (NO EXCEPTIONS)
12v Test light
Battery Terminal cleaner
Adjustable Spark Tester
Wire Terminal Tool – (for Computer Control Terminal)
Test lead project kit (Available at SCC Parts Department)

Brakes
Brake adjusting tool
Hold-down Spring (2) large and small
Brake spring tool

Measuring Instruments
Feeler gauges (2) Straight and angled .0015-.025 w/metric equivalent
* Dial indicator w/clamp on base, 1” travel
6” steel ruler w/ std. and metric
Thread pitch gauge std. & metric 0-6” caliper

Miscellaneous
Safety glasses (min. 297 rated)
Program Uniforms shirts (3-5 min.)
Available at SCC Campus Store
Ear protection
Calculator
Fender covers (1 set)
Adapters (4) 1/4-3/8, 3/8-1/4, 3/8-1/2, 1/2-3/4
Stethoscope
12” Tape measure
16” Rolling head bar
Pry bar set (12” & 24” min)
Gasket scraper
Pick set (4 piece)
Magnetic pick up tool (telescoping)
Inspection mirror
Wire brush – 10” minimum
Pen/Multi-Mag light w/batteries
Oil filter Pliers (Slip Joint)
Air chuck
Tire gauge
*Antifreeze Tester
Spark plug gapper .040 – .080” –wire type
Valve core tool
Rubber tip air nozzle
A/C Thermometer
Vacuum plug set
** Lip seal installer
Pair welding gloves
Hand held vacuum pump
Basic A/C & Fuel line disconnect tools
Allen wrenches (2sets).050” -3/8” & 4 mm -12 mm
A/C manifold gauge set R134a
*Freon Can tap
*Aluminum block project kit
*Electrical wire project kit
** Required on Milford Campus only
** Required on Lincoln Campus only

Education Foundation

This program is accredited by the ASE Education Foundation, 1503 Edwards Ferry Rd., NE, Ste. 401 Leesburg, VA 20176, 703-669-6650, www.aseeducation.org

The Automotive Technology program is nationally recognized and is certified by the ASE 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.