

**Associate of Applied Science Degree**

Credit Hours Required for Graduation:  
Associate of Applied  
Science Degree..... 66.0

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course listing



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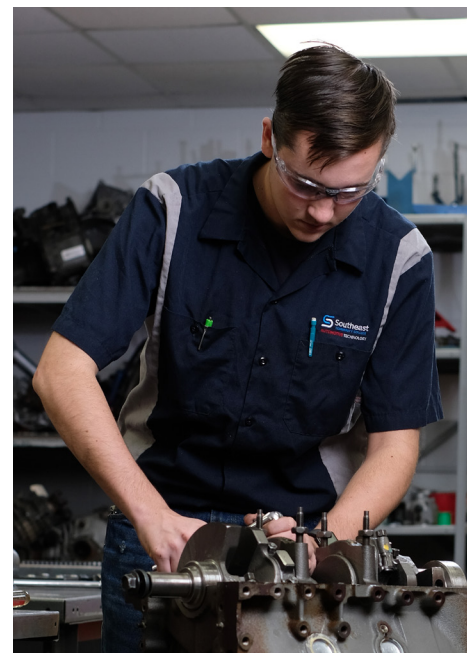
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A0707 - AUTT (09/20)

Are you fascinated by technology and how it's used to repair vehicles? Have you always enjoyed working on cars and are now ready to gain a higher level of skills? Skilled auto technicians are in demand! Get your career in gear and begin your path to possible today!

In the Automotive Technology program, you will learn how to service a vehicle from bumper to bumper. Huge lab spaces with hydraulic lifts allow you a hand-on workspace with access to all the latest industry tools. You'll be a more valuable employee because you also will learn to research service information using manuals and computer-based programs as well as the function of an extensive array of hand tools and diagnostic equipment.

## SCC is the Right Choice

- SCC will provide you with an opportunity to learn the knowledge and skills to work on all makes and models, including hybrid cars, using modern equipment and high-tech tools
- SCC has an excellent reputation and extensive industry partnerships with car makers and tool suppliers in Nebraska
- Program graduates are employed in dealerships, independent shops, fleet service facilities, and owner/operator shops
- Learn from the SCC ASE Master Certified instructors who are certified in the areas they teach and have many years of experience in the field
- Earn the AAS degree for one year of experience toward the ASE certification
- Receive a well-rounded education with required writing, speaking and math skills.



## 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 salary of \$32,552 per year.



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

## 2020-2021 Resident Estimated Expenses

Tuition/Fee Rate Per Credit Hour	\$111
Resident Tuition/Fees	\$7,326
Books	\$1,112
Tools	\$4,500
Special Fees	\$50
Uniforms	\$140
<b>Total:</b>	<b>\$13,078</b>

Non-Resident Tuition/Fee Rate Per Credit Hour	\$132
Non-Resident Tuition/Fees	\$8,712

# **Automotive Technology - Ford - General Motors - MOPAR - Required Basic Tool List**

The following tool list includes the basic tools a student will be required to have to successfully complete the automotive programs. 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.

## **1ST SEMESTER REQUIRED - FIRST DAY OF SECOND WEEK**

- Fluke \*87 or 88 Multimeter (\*87 required for GM-ASEP)
- 12v bulb - test light
- Wire crimper/cutter/stripper
- Battery Terminal cleaner
- Terminal Removal Tool
- Ear protection
- Pen/flashlight
- Tire pressure inflater
- Tire psi gauge
- Valve core tool
- Rubber tip air nozzle
- Antifreeze tester
- Pick set (4 piece)
- Magnetic pick up tool
- Inspection mirror
- Pocket Screwdriver
- Punch and Thread Kit (alum. Block)
- Tool bag
- Jumper wire set
- Safety glasses (min. Z87 rated)
- Program Uniform Shirts
  - AUTO - 3 minimum
  - Dealer programs (Ford, GM, Mopar) will have apparel provided by the Dealer

## **2ND SEMESTER REQUIRED - FIRST DAY OF SECOND SEMESTER**

### **TOOL STORAGE**

- Roll-Away - **56" maximum**. NO larger.

### **1/4" DRIVE**

- Socket Set 3/16"-9/16" shallow 6 pt.
- Socket Set 3/16"-9/16" deep 6 pt.
- Socket Set 5-14 mm shallow 6 pt.
- Socket Set 5-14 mm deep 6 pt.
- Extensions (3) 2", 4", 6" or equiv.
- Ratchet
- Drive handle (screwdriver type)
- Universal joint

### **3/8" DRIVE**

- Socket Set 3/8"-3/4" shallow 6 pt.
- Socket Set 3/8"-3/4" deep 6 pt.
- Socket Set 8-19 mm shallow 6 pt.
- Socket Set 8-19 mm deep 6 pt.
- Socket Set Torx T10-T60
- Socket Set Allen/Hex 1/8"-3/8"
- Socket Set Allen/Hex 4-10 mm
- Spark plug sockets 5/8" and 13/16"
- Extensions (5) 1", 3", 6", 12", 36"
- Ratchet, standard
- Ratchet, long flex head
- Speed handle
- Universal joint

### **1/2" DRIVE**

- Socket Set 10-24 mm shallow
- Socket Set 10-24 mm deep Impact
- Sockets, 30, 32, 34 & 36 mm deep impact
- Socket Set, Lug nut
- Extensions (3) 3", 6", 12" or equiv.
- Ratchet
- Breaker bar, 24" min
- 1/2" Impact universal with lock button
- 1/2" Impact wrench

### **SCREWDRIVERS**

- Standard (5) 1/8", 3/16", 1/4", 5/16", 3/8" w/stubby
- Phillips (4) #1, #2, #3 and #2 stubby
- Tamper Proof Torx Screwdrivers (T10-T30)

### **PLIERS**

- 6" slip joint combination
- 7" Diagonal cut
- 6" Needle nose
- 10"(min) Adjustable Joint
- Vise-Grip (3) 5" curved, 10" curved, 6" long nose
- Fixed tip Snap-ring straight tip .038", .045" & .070"
- Medium Lock ring pliers

### **PUNCHES/CHISELS/FILES/SAW**

- Punch & Chisel Set- including center punch)
- Brass drift 6" min.
- Files (3) 10" flat, 8" round, 6" Tri
- File card
- File handle
- Half round/cape chisel

### **MEASURING INSTRUMENTS**

- Feeler gauges straight (.0015-.025 w/metric equiv)
- Feeler gauges angled (.0015-.025 w/metric equiv)
- 6" steel ruler w/ std. and metric display
- Thread pitch gauges, (2) std. & metric
- Torque wrench, 3/8" drive 15-100 ft/lb or equiv.
- Torque wrench, 1/2" drive 40-250 ft/lb or equiv.
- Caliper, 0-6"
- Tape measure, 12' min.

### **WRENCHES**

- 1/4" - 1 1/4" standard combination 12 pt.
- 6-24 mm standard combination 12 pt.
- Adjustable Wrench, 12"
- Flare Wrench Set 3/8" -11/16"
- Flare Wrench Set 9-18 mm

### **HAMMER**

- Ball Peen, 16 oz.
- Ball Peen, 32 oz.
- Dead Blow, 24-28 oz.

### **BRAKES TOOLS**

- Brake adjusting spoon
- Retaining Spring Tools (2 sizes)
- Brake Spring Tool

### **MISCELLANEOUS**

- Spark plug gapper .025"-.080"
- Spark Tester
- A/C Thermometer
- Lip seal tool
- 12" Hacksaw w/ blades
- Basic AC & Fuel disconnect tools
- Allen Wrenches Metric set 4-12 mm
- Stethoscope
- Pry bar, 24" min.
- 16" rolling head bar
- Fender covers (1pair)
- Wire brush, 10" min.
- Adapters (4) 1/4-3/8, 3/8-1/4, 3/8-1/2, 1/2-3/8
- Gasket scraper
- Oil filter Pliers (slip joint)
- Oil filter band wrenches (2)

### **RECOMMENDED**

- Socket Set 3/8" drive 10mm-19mm flex impact
- Socket Set 3/8" drive Inverted Torx E6-E16
- Socket Set 3/8" drive 10-19mm deep Impact
- Socket Set 1/2" drive 3/8 - 1 1/4 shallow
- Socket Set 1/2" drive 7/16 - 1 1/4 deep Impact
- Socket Set 1/2" drive 10-24mm deep chrome
- Automotive Terminal Test lead kit
- Metric ratcheting wrenches
- 8/10mm brake wrench - for bleeder screws
- 6-19mm combination stubby wrench set
- Assorted trim panel removers
- 3/8" Air or cordless Impact
- 3/8" Air or cordless ratchet
- Hose Clamp Pliers
- Spark plug boot pliers
- Needle nose pliers set long (3)
- Large dead-blow hammer, 36 oz or larger
- Brass Hammer