

# GENERAL MOTORS AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM

Milford Campus



www.southeast.edu/GoASEP



**Associate of Applied Science Degree**

Credit Hours Required for Graduation:  
Associate of Applied Science Degree ..... 62.0



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A0724 - GM ASEP (08/19)

Highly-skilled factory-trained technicians are in high demand! This program is a true earn-as-you-learn opportunity.



Learn from experts at SCC and GM in our combined program. Students must secure a General Motors dealer or ACDelco service center to sponsor them during training.

## Why SCC?

Through a carefully constructed program of classroom and experience-based education, students gain knowledge of engine fundamentals, electrical and electronic principles, fuel systems, brakes, steering and suspension systems, body computer systems, transmissions, and heating and air conditioning systems. Students have access to new products and equipment necessary for proper and accurate diagnosis of current GM systems. They also receive regular updates on all new GM products to stay current with industry progress.



The General Motors ASEP program turned my passion for automobiles into a profession. The skills and education obtained from the experienced instructors will truly shape you into being an asset for any GM dealership. I have ASEP to thank for the success in my automotive career.



-Stephanie- GM Service Writer – Plaza Buick, GMC, Omaha, Nebraska



The GM ASEP program taught me to utilize the method of strategy-based diagnostics and showed me how to see through the trained eyes of an experienced professional. Few automotive graduates are more prepared for the dealership than the graduates of the GM ASEP program!



-Eli- GM Service Technician – H&H Buick, GMC, Council Bluffs, IA



The GM ASEP program gave me the learning experience I needed to become the technician of tomorrow. I graduated debt-free with help from the money I earned during the paid internship courses, and I graduated with an associate degree. The ASEP program truly gave me a jumpstart to my career!



-Kevin- GM Service Technician – Sid Dillon Buick, GMC, Mazda, Fremont, Nebraska



## Top Career Options

- Service technician, specialty technician or service writer in a GM dealership or ACDelco service center.



## Graduate Earnings

Recent graduates report an average starting wage of \$17.90 per hour.

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



Education Foundation

The competencies in the program's curriculum satisfy the requirements for graduates to be eligible to continue on to the hands-on components and then the final assessments necessary to become a General Motors World Class Technician.

2019-2020 Tuition/Fee Rate Per Credit Hour  
Nebraska Resident \$108  
Out-of-state tuition/fee rate \$129

### Estimated Expenses

Tuition/Fees	\$ 7128
Books	1340
Special Fees	450
Tools/Supplies	4772
<b>Total:</b>	<b>\$13,690</b>

## Basic Tools for General Motors (ASEP) Program

### 1/4" Drive set

- 3-Extensions 2" – 4" – 6"
- 1-Drive Handle
- 1-Ratchet
- 1-Socket Set-3/8" – 9/16" (6 point short)
- 1-Socket Set-3/8" – 9/16" (6 point deep)
- 1-Socket Set-4mm – 13mm (6 point short)
- 1-Socket Set-4mm – 13mm (6 point deep)
- 1-Universal Joint

### 3/8" Drive set

- 1-Adapters-3/8"-1/2" & 3/8"-1/4"
- 3-Extensions 3" – 6" – 12"
- 1-Ratchet, Standard
- 1-Ratchet, Long – Flexhead
- 1-Socket Set-1/4" thru 7/8" (6 point short)
- 1-Socket Set-1/4" thru 7/8" (6 point deep)
- 1-Socket Set-8mm thru 19mm (6 point short)
- 1-Socket Set-8mm thru 19mm (6 point deep)
- 2-Socket Set Spark Plug (5/8" & 13/16")
- 1-Speed Handle
- 1-Universal Joint

### Wrenches

- 1-Wrench Set – Combination, (12 point – 1/4 thru 1" standard length)
- 1-Wrench Set – Combination, (12 point – 6mm thru 22mm standard length)
- 3-Wrench Set Flare nut (6 point 3/8"-7/16" – 1/2" – 5/8"-11/16")
- 4-Wrench Set Flare nut (6 point 3/8"-9mm-10mm & 11mm-12mm & 13mm-14mm & 15mm-17mm)

### Pliers

- 1-Pliers – 6" combination
- 1-Pliers – 7" diagonal cutter
- 1-Pliers – 6" needle nose
- 1-Pliers – Electrician's terminal
- 1-Pliers – 10" vise grip
- 1-Pliers – Snap Ring, small True Arc -.030" to .045" tips (inside & outside)
- 1-Pliers – Snap Ring, large True Arc -.060" to .080" tips (inside & outside)
- 1-Plier cable operated hose clamp

### Hammers

- 2-Hammer – ball peen (16 oz. & 32 oz.)
- 1-Hammer – Plastic (16 oz.)
- Punch & Chisel
- 3-Chisel – (3/8", 1/2", & 5/8")
- 3-Punch – (3/32", 5/32", & 1/4")
- >1- Punch – Center

### Files

- 3-file – (6" 3-square, 8" round, & 10" flat mill)
- 3-file Handles
- 1-file Card

### Screwdriver Set

- 1-Screwdriver Set – flat blade (1/4"x3", 3/16"x6", 1/4"x8", 5/16"x10", 3/8"x13")
- 1-Screwdriver Set – Phillips (#1x6", #2x3", #2x8", #3x10", #4x11")

### Electrical

- >1-Digital Multimeter – Fluke 87 only
- 1-Battery Terminal Cleaner
- 1-Jumper Kit 18001.10 Terminal Test Leads
- 1-Test Light (NOT an LED or Logic Probe Style)

### Brake Tools

- 1-Brake Spoon (adjuster)
- 1-Brake Hold Down Spring Removal-Installer Tool (small & large)
- 1-Brake Return Spring Installer-Remover (pliers)
- 1-Brake Bleeder Wrench (1/4" x 3/8")
- 1-Brake Bleeder Wrench (8 x 10 mm)
- 1-Rear Disc Brake Piston Tool (for rotating pistons back into calipers)

### Miscellaneous Tools

- >1-Awl – 8"
- 1-Gasket Scraper – 1 1/2" wide 8" long
- 1-Gauge – Feeler gauge set .0015 - .025
- 1-Gauge – Spark Plug (wire) .025 - .080
- 2-Gauge – thread pitch (U.S. & metric)
- >1-Hacksaw – with 12" blade
- 1-Pick Set – (straight, 90, 45, bent tip, & hook)
- 1-Wire Brush
- >1-Steel Ruler 6"
- 1-Vacuum Pump – hand operated
- 1-Tool Box – Roll-a-way, Max 42" long
- 1-Hex (Allen) Wrench set 4 mm thru 12 mm
- 1-Hex (Allen) Wrench set .050" thru 3/8"
- 1-Pliers Spark Plug Boot
- 1-Mirror Inspection
- 1-Telescoping Magnetic pick-up tool (small pocket size)
- >1-Tape Measure 12'
- 1-Digital Caliper (0 – 150mm)
- 1-Pliers 10" adjustable Joint
- 1-Torque Wrench 1/2" drive 50-250 lb/ft (click type)
- 1-Torque Wrench 3/8" drive 20-100 lb/ft (click type)
- 1-Torque Wrench 3/8" drive 0-150 in-lbs (dial or deflecting beam type)
- 1-Torx Drive set (#8 thru #60)
- 1- Pliers Snap Ring (flat tip .150, opens to 1 1/2")
- 1-Screwdriver (#1Pozi-drive 6")
- 1-Screwdriver (#2 Pozi-drive 8")
- 1-Tire Air Chuck
- 1-Tire Pressure Gauge
- 1-Air Blower (rubber tip)
- 1-Gasket Scraper (for aluminum surfaces)
- 2-Spark Tester HEI
- >1-Wire Terminal Tool (for GM systems)
- 1-Window Crank Removal Tool (GM style)
- 1-Door panel retainer tool (GM style)
- 2- Oil Filter Wrench (large & small – band type – flexible handle)
- >\*1-Pair Welding Gloves
- >\*1-Scientific Calculator
- >\*1-Glasses – Safety – Clear - (must meet Z87 specs.)
- \*1-Pen light
- 1-GM Ecotech Oil Filter Cover Wrench Socket
- 1-Utility Hook (for hose and cotter pin removal)

### OPTIONAL TOOLS

- 1-Socket Set 1/2" drive, 3/8" through 1 1/4" (short)
- 1/2" Drive Set
- 1-Ratchet
- 1-Socket Set 13mm thru 21mm (short)
- 2-Extensions 6" & 12"
- 1-Breaker Bar
- 1-Tool Box Drawered 42" long
- 1-Mechanical Fingers
- 1-3/8" Air Impact
- 1-1/2" Air Impact
- 1-Socket Set Impact 3/8" drive (3/8" thru 3/4") (deep)
- 1-Socket Set Impact 3/8" drive (9mm thru 19mm) (deep)
- 1-Socket Adapter (1/2" male – 3/8" female)
- 1-Pliers 16" adjustable Joint
- 1-Hammer Ball Peen (8 oz.)
- 1-Mallet Rubber (16 oz.)
- 1-Serpentine Belt Wrench with Adapters
- 3-Prybars 12" – 24" – 36" long
- 1-Dead Blow Hammer (26 oz.)



## 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 for a complete list.

(One class from each area below.)

Oral Communications	3.0
Written Communications	3.0
Critical Thinking & Problem Solving	3.0
MATH1020	Technical Math

(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. 6.0  
15.0 hours

## ASEP - Automotive Service Educational Program

### A.A.S Degree Courses

Course offerings and prerequisites will be determined by the program. A grade of "C" or higher in all ASEP classes is required to progress through the program.

Course #	Course title	Credit hrs
ASEP1101	GM Safety, Fundamentals & MIT	6.0
ASEP1161	GM Electrical I & HVAC	6.0
ASEP1242	GM Chassis	6.0
ASEP1901	Dealer Cooperative Experience	5.0
ASEP2182	GM Engine Performance I	6.0
ASEP2183	GM Engine Performance II	4.0
ASEP2191	GM Diesel Performance & Emissions	1.0
ASEP2212	GM Engine Repair	3.0
ASEP2232	GM Drivelines and New Product Updates	4.5
ASEP2263	GM Electrical II	3.5
ASEP2901	Dealer Cooperative Experience	5.0
WELD1190	O/A and GMAW Welding	1.0
		51.0 hours

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

Students are required to wear program uniforms while in classroom or laboratory settings.



\* May be purchased at the Campus Store or Parts Store on the Milford Campus.

> Tools needed the first week of school (meet with instructor first).