

2018-2019

SOUTHEAST
COMMUNITY
COLLEGE
NEBRASKA

GENERAL MOTORS AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM

Associate of
Applied Science
Degree

MILFORD CAMPUS

www.southeast.edu/GoASEP



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 joint program. Students must secure a General Motors dealer or ACDelco service center to sponsor them during training.

Program Overview

Students spend four quarters full-time on the Milford Campus and the remaining three quarters working in a GM dealership or ACDelco service center.



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.

This SCC program is Affiliated with ASE. Master Accreditation by NATEF. This program is accredited by the National Automotive Technicians Education Foundation, 101 Blue Seal Drive, Suite 101, Leesburg, VA 20175, 703-669-6125, www.natef.org.

Students are required to provide or purchase a basic tool set during the first quarter. Students are required to wear program uniforms while in classroom or laboratory settings.



Graduate Earnings

Recent graduates report an average starting wage of \$17.05 per hour.

For more information contact:

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Milford 402-761-8243, 800-933-7223 ext. 8243

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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	4.5
Written Communications	4.5
Critical Thinking & Problem Solving	6.0

PHYS1150 Descriptive Physics

(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.

9.0
24.0 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
ASEP1170	GM Shop Orientation & Safety	1.5
ASEP1173	GM Fundamentals	2.5
ASEP1175	GM Electrical and Electronic Principles	10.0
ASEP1177	GM Brake Systems	3.0
ASEP1360	GM Powertrain Electronic Systems	6.0
ASEP1363	GM Engine Repair	7.5
ASEP1379	GM Heating & Air Conditioning	5.0
ASEP1901	Dealer Cooperative Experience	10.0
ASEP1902	Dealer Cooperative Experience	10.0
ASEP1911	WEB Based Training I	2.0
ASEP1912	WEB Based Training II	2.0
ASEP2528	GM Steering and Suspension Systems	4.5
ASEP2529	GM Manual Transmission, Transaxles, Clutch & Transfer Case	5.0
ASEP2537	GM Rear Axle Service	1.5
ASEP2538	GM Advanced Powertrain Electronic Systems	3.5
ASEP2561	GM Diesel Fuel & Emission Control System	2.0
ASEP2743	GM Powertrain Electronic Systems & Drivability Diagnostics	5.5
ASEP2747	GM Body Electrical & Electronics	6.0
ASEP2748	GM Automatic Transmission & Transaxles	7.0
ASEP2749	GM New Product Update	1.0
ASEP2901	Dealer Cooperative Experience	10.0
ASEP2911	WEB Based Training III	2.0
WELD1181	Automotive, ASEP, ASSET, & CAP Welding (M)	1.5
		109.0 hours

Estimated Expenses

Nebraska Resident tuition/fee rate is \$69.50 per credit hour. Out-of-state tuition/fee rate is \$83.50 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Milford campuses only. Tuition, books and fees are dependent upon classes taken each quarter.

Students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

FIRST QUARTER		FOURTH QUARTER	
Tuition And Fees	\$1,494	Tuition And Fees	\$834
Books	525	COOP Quarter	
Tools/Supplies/Kits*	4,772	Total	\$834
Total	\$6,791		
SECOND QUARTER		FIFTH QUARTER	
Tuition And Fees	\$834	Tuition And Fees	\$1,772
COOP Quarter		Books	445
Total	\$834	Total	\$2,217
THIRD QUARTER		SIXTH QUARTER	
Tuition And Fees	\$1,703	Tuition And Fees	\$834
Books	370	COOP Quarter	
Total	\$2,073	Total	\$834
		SEVENTH QUARTER	
		Tuition and Fees	\$1,668
		Educational Trip	450
		Total	\$2,118
		Total Estimate/Program	\$15,701

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 (#1 Pozi-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.)



* 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).