

2018-2019

SOUTHEAST
COMMUNITY
COLLEGE
NEBRASKA

MOPAR-CHRYSLER/DODGE/ RAM/JEEP COLLEGE AUTOMOTIVE PROGRAM

Associate of
Applied Science
Degree

MILFORD CAMPUS

www.southeast.edu/GoCAP



Are you looking to grow as an automotive technician? Become part of a joint program between SCC and Fiat Chrysler Automobiles. Secure a sponsoring dealer and get started on a rewarding career.



Program Overview

This program takes seven quarters to complete. Students are on campus studying electronics, engine repair, transmission repair, suspension system, brakes, drivability, and heating and air conditioning in Quarters 1, 3, 5, and 7.

During Quarters 2, 4 and 6, students are at the dealership as part of a Cooperative Experience, gaining experience working with a mentor master technician in the subjects they studied the previous quarter on campus.

This earn-while-you-learn approach to mastering the different automotive systems has proven to be beneficial to both the students and dealers.

MCAP students will complete a high level of Chrysler-certified factory training. SCC teaches all Level I through Level II courses. It may take someone outside of the MCAP program six to eight years to complete the same level of training when working at the dealership and attending classes one at a time in the training center.



This SCC program is
Affiliated with ASE. Master
Accreditation by NATEF.



Graduate Earnings

Recent graduates report an average starting wage of \$15.60 per hour.

For more information contact:

Kevin Uhler, Program Chair
402-761-8367, (800) 933-7223 ext. 8367
kuhler@southeast.edu

Todd Morrill, Instructor
402-761-8426, 800-933-7223 ext. 8426
tmorrill@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243

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Estimated Expenses		THIRD QUARTER	
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.		Tuition And Fees	\$1,633
Housing is available at Beatrice and Milford campuses only. Tuition, books and fees are dependent upon classes taken each quarter.		Books	260
Students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.		Total	\$1,893
FIRST QUARTER		FOURTH QUARTER	
Tuition And Fees	\$1,390	Tuition And Fees	\$834
Books	365	COOP Quarter	
Tools/Supplies/Kit*	4,713	Total	\$834
Total	\$6,468	FIFTH QUARTER	
*Electrical Wire Project Kit included		Tuition And Fees	\$1,425
SECOND QUARTER		Total	\$1,425
Tuition And Fees	\$834	SIXTH QUARTER	
COOP Quarter		Tuition And Fees	\$834
Total	\$834	COOP Quarter	
		Total	\$834
		SEVENTH QUARTER	
		Tuition And Fees	\$1,390
		Books	210
		Educational Trip	450
		Total	\$2,050
		Total Estimate For Program	\$14,338

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
PHYS 1150 - 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

MOPAR-Chrysler/Dodge/RAM/Jeep College Automotive Program AAS Degree Courses:

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

Course #	Course title	Credit hrs
CAPP1110	Chrysler Shop Orientation	1.0
CAPP1170	Chrysler Shop Safety and Repair	1.0
CAPP1173	FCA Fundamentals	1.5
CAPP1175	FCA Electrical & Electronic Principles	9.0
CAPP1177	FCA Brake System	3.0
CAPP1360	FCA Electronic Fuel Systems	6.0
CAPP1362	FCA Body Electrical and Electronics	5.0
CAPP1364	FCA Advanced Drivability Diagnosis	6.5
CAPP1901	Dealer Cooperative Experience	10.0
CAPP1902	Dealer Cooperative Experience	10.0
CAPP1911	WEB Based Training I	2.0
CAPP1912	WEB Based Training II	2.0
CAPP2528	FCA Steering & Suspension Systems	3.0
CAPP2530	FCA HVAC Systems	4.5
CAPP2531	FCA Engine Repair	7.0
CAPP2740	Chrysler Manual Transmission, Transaxles, Clutch and Transfer Case	7.0
CAPP2741	Chrysler Rear Axle Service	2.0
CAPP2742	Chrysler Diesel Fuel and Emission System	2.0
CAPP2748	FCA Automatic Transmissions & Transaxles	6.0
CAPP2749	Chrysler New Product Update	1.0
CAPP2901	Dealer Cooperative Experience	10.0
CAPP2911	WEB Based Training III	2.0
WELD1181	Automotive, ASEP, ASSET, & CAP Welding (M)	1.5
		103.0 hours

Basic Tools for MCAP Program

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

* May be purchased at the Campus Store or Parts Store.

1/4" DRIVE SET

- 1-Breaker Bar
- 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, small True Arc - .060" to .080" tips (inside & outside)

HAMMERS

- 2-Hammer - ball peen (16oz & 32oz)
- 1-Hammer - Dead Blow (16oz)

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

ELECTRICAL

- 1-Test Light - 12Volt
- >1-Digital Multimeter - (10 megohm input impedance, w/voltage drop diode test & ma scale A/C-D/C) similar to (Fluke 88)
- 1-Battery terminal Cleaner

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 12mm
- 1-Hex (Allen) Wrench set .050" thru 3/8"
- 1-Pliers Battery angle Nose
- 1-Screwdriver Set Torx T10 thru T55
- 1-Thermometer A/C
- 1-Brake Spring Pliers
- 2-Brake Shoe Retaining Spring Tool (large & Small)
- 1-Brake Adjusting Spoon
- 1-Brake Bleeder Wrench combo (5/16" & 3/8")
- 1-Dial Caliper
- 1-Trim Pad Remover (Chrysler)
- 1-Pry Bar set (4-6)
- 2-Punch Starting (1/8" & 3/8")
- 2-Wrench - cup, oil filter Chrysler large & small)
- 1-Serpentine belt remover & installer tool (Chrysler)
- 1-1/2" drive Air Impact
- 1-Torque Wrench 1/2" drive 50-250 lb/ft (click type)
- 1-Torque Wrench 3/8" drive (dial type 0 to 300 in/lb)
- >* 1-Pair Welding Gloves
- >* 1-Scientific Calculator
- >* 1-Glasses - Safety - clear - (must meet Z87 specs.)

1/2" DRIVE SET

- 1-Ratchet
- 1-Socket Set 13mm thru 21mm
- 2-Extensions 6" & 12"
- 1-Breaker Bar

OPTIONAL TOOLS

- 1-Set Impact deep sockets 1/2" drive 6 point (10mm thru 27mm)
- 1-Air Nozzle - (rubber tip)
- 1-Tape Measure 12'
- 1-Set Fender Covers
- 1-Impact drive set - 3/8" drive
- 1-Stethoscope - Mechanic's
- 1-Mirror Inspection
- 1-Impact Deep Sockets (1/2" Drive 3/8" through 3/4")
- 1-3/8" drive Air or Battery Impact
- 1-3/8" drive Air or Battery Ratchet
- 1-1/4" drive Air or Battery Ratchet
- 1-Radiator Hose Tool
- 1-Soldering Gun Kit
- 1-Air Hammer Set



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.