



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

Associate of  
Applied Science  
Degree

MILFORD CAMPUS

[www.southeast.edu/GoCAP](http://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.*



FIAT CHRYSLER AUTOMOBILES

## 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 on co-op, gaining experience working with a mentor master technician in the subjects they studied the previous quarter when they were 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 \$17.90 per hour.

### For more information contact:

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<b>Estimated Expenses</b>		<b>THIRD QUARTER</b>	
To determine overall costs, students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.		Tuition And Fees	\$1,764
Nebraska Resident tuition rate is \$61.50 per credit hour. Out-of-state tuition rate is \$75.50 per credit hour.		Books	200
Student fee is \$1.50 per credit hour. Graduation fee is \$25.		<b>Total</b>	<b>\$1,964</b>
Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken.		<b>FOURTH QUARTER</b>	
		Tuition And Fees	\$756
		COOP Quarter	
		<b>Total</b>	<b>\$756</b>
		<b>FIFTH QUARTER</b>	
		Tuition And Fees	\$1,449
		Books	200
		<b>Total</b>	<b>\$1,649</b>
		<b>SIXTH QUARTER</b>	
		Tuition And Fees	\$756
		COOP Quarter	
		<b>Total</b>	<b>\$756</b>
		<b>SEVENTH QUARTER</b>	
		Tuition And Fees	\$1,670
		Books	345
		Educational Trip	450
		<b>Total</b>	<b>\$2,465</b>
		<b>Total Estimate For Program</b>	<b>\$15,008</b>
<b>FIRST QUARTER</b>			
Tuition And Fees	\$1,607		
Books	365		
Tools	4,600		
Supplies	90		
<b>Total</b>	<b>\$6,662</b>		
<b>SECOND QUARTER</b>			
Tuition And Fees	\$756		
COOP Quarter			
<b>Total</b>	<b>\$756</b>		

## 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	Chrysler Fundamentals	2.0
CAPP1175	Chrysler Electrical & Electronic Principles	11.0
CAPP1177	Chrysler Brake System	4.0
CAPP1360	Chrysler Electronic Fuel Systems	7.0
CAPP1362	Chrysler Body Electrical and Electronics	6.0
CAPP1364	Chrysler Advanced Drivability Diagnosis	7.0
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	Chrysler Steering & Suspension Systems	4.5
CAPP2530	Chrysler HVAC Systems	5.5
CAPP2531	Chrysler Engine Repair	8.5
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	Chrysler Automatic Transmissions & Transaxles	8.0
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
		115.0 hours

## 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
Science	6.0
PHYS1150 Descriptive Physics	
(Two classes from the four areas below; no two classes from the same area).	
Mathematics, Social Science, Humanities, and/or Computer Technology	9.0
	24.0 hours

## Basic Tools for CAP Program

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

\* May be purchased at the Campus Book 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 (us & 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.**