



# FORD ASSET AUTOMOTIVE STUDENT SERVICE EDUCATIONAL TRAINING

Associate of  
Applied Science  
Degree

MILFORD CAMPUS

[www.southeast.edu/GoASSET](http://www.southeast.edu/GoASSET)



*This training is offered jointly by Ford Motor Co. and SCC in cooperation with Ford or Lincoln dealers. Students must secure a Ford and Lincoln dealer to sponsor them during training.*

## Program Overview:

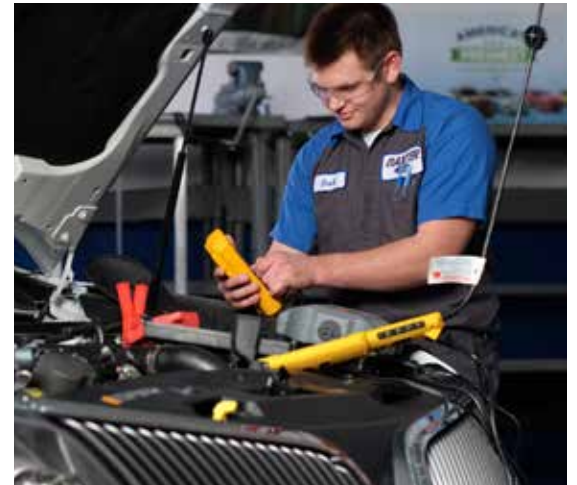
Ford ASSET is recognized as the premier program in the global automotive industry for the training and placement of new manufacturer-specific service technicians.

This alliance was created so that a new generation of service technicians would be available. Ford Motor Co. provides current vehicles, components, state-of-the-art diagnostic equipment, and instructional materials.

Students gain knowledge of the entire operation of the vehicle and receive advanced diagnostic training to keep them current with industry progress. Students spend four quarters as full-time students on the Milford Campus and three quarters working in a Ford or Lincoln dealership. Instructors follow a curriculum designed by an advisory committee comprised of representatives from SCC, Ford Motor Co. and Ford or Lincoln dealerships. Students can become an entry-level technician in a Ford or Lincoln dealership.

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

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](http://www.natef.org).



## Graduate Earnings

Recent graduates report a starting wage of \$14.45 per hour.

## For more information contact:

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

Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or [jsoto@southeast.edu](mailto:jsoto@southeast.edu). This publication should not be considered a contract between SCC and any prospective student. SCC's Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice. A0724a - Ford (04/17)



## ASSET - Automotive Student Service Educational Training A.A.S. Degree:

Course offerings and prerequisites will be determined by the program. A grade of "C" (2.0) or higher in all ASST classes is required to progress through the program.

Course #	Course title	Credit hrs
ASST1110	Ford Shop Orientation	1.0
ASST1170	Ford Shop Safety & Repair	1.0
ASST1173	Ford Fundamentals	2.0
ASST1175	Ford Electrical & Electronic Principles	9.5
ASST1178	Ford Brake Systems	3.0
ASST1360	Engine Performance Theory & Operation	8.5
ASST1362	Ford Climate Control	4.5
ASST1363	Ford Engine Repair	6.0
ASST1901	Dealer Cooperative Experience	10.0
ASST1902	Dealer Cooperative Experience	10.0
ASST1911	Web Based Training I	2.0
ASST1912	Web Based Training II	2.0
ASST2529	Ford Manual Transmission, Transaxles, & Clutches	5.0
ASST2531	Ford Diesel Fuel & Emission Systems	3.0
ASST2537	Ford Rear Axle, Driveline & Transfer Cases	3.0
ASST2538	Engine Performance Diagnosis & Testing	6.0
ASST2728	Ford Steering & Suspension Systems	6.0
ASST2747	Ford Body Electrical & Electronics	5.5
ASST2748	Ford Automatic Transmissions & Transaxles	7.0
ASST2749	Ford New Product Update	1.0
ASST2901	Dealer Cooperative Experience	10.0
ASST2911	Web Based Training III	2.0
WELD1181	Automotive, ASEP, ASSET, & CAP Welding (M)	1.5
		109.5 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 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

### Estimated Expenses

To determine overall costs, students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

Nebraska Resident tuition rate is \$65.50 per credit hour. Out-of-state tuition rate is \$79.50 per credit hour. Student fee is \$2 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Milford campuses only.

FIRST QUARTER		FIFTH QUARTER	
Tuition And Fees	\$1,418	Tuition And Fees	\$1,452
Books	350	Books	200
Tools	4,568	<b>Total</b>	<b>\$1,652</b>
Supplies	75	SIXTH QUARTER	
<b>Total</b>	<b>\$6,411</b>	Tuition And Fees	\$810
SECOND QUARTER		COOP Quarter	<b>\$810</b>
Tuition And Fees	\$810	SEVENTH QUARTER	
COOP Quarter		Tuition And Fees	\$1,924
<b>Total</b>	<b>\$810</b>	Books	525
THIRD QUARTER		Educational Trip	500
Tuition And Fees	\$1,688	<b>Total</b>	<b>\$2,949</b>
Books	195	<b>Total Estimate For Program</b>	<b>\$15,325</b>
<b>Total</b>	<b>\$1,833</b>	FOURTH QUARTER	
FOURTH QUARTER		Tuition And Fees	\$810
Tuition And Fees	\$810	COOP Quarter	
COOP Quarter		<b>Total</b>	<b>\$810</b>
<b>Total</b>	<b>\$810</b>		

## Basic Tools for Ford (ASSET) Program

### 1/4" DRIVE SET

- Ratchet
- Extension 3", 6", 12"
- Universal socket
- Socket set 4-15mm
- Drive handle w/female drive on top
- Socket set 4-15mm deep-well
- Torx drive set T10-T30
- Adapter 3/8" to 1/4"

### 3/8" DRIVE SET

- 3/8" Torque wrench, digital type 5-100 foot-pounds
- Standard length ratchet
- Flex-head ratchet
- Extensions- 3, 6, 11" & 36"
- Socket set 1/4 - 7/8"
- Socket set 1/4 - 7/8" deep-well
- Socket set 8-19mm
- Socket set 8-19mm
- Universal joint
- Torx drive set T40-T55
- Speed handle
- Adapter 3/8" to 1/2"

### 1/2" DRIVE SET

- Ratchet
- Extensions 6" & 12"
- Breaker bar
- Adapter 1/2" to 3/8"
- 1/2" Torque wrench, click type 50-250 foot-pounds
- Impact metric 10mm to 24mm deep

### MISCELLANEOUS SOCKETS

- 1-5/8 spark plug
- 1-13/16 spark plug
- 1-9/16 spark plug
- 32mm deep-well
- 36mm deep-well
- 1/2" Air impact gun
- 3/8" battery impact

### WRENCHES

- Metric combination 7-19mm
- SAE combination 3/8 - 1"
- Flare nut double end 9 - 18mm
- Hex standard 3/8" drive sockets 1/8" to 3/8"
- Hex metric 3/8" drive sockets 4mm to 10mm
- 3/8" 12mm - 12point short wobble impact socket

### PLIERS

- Retaining (snap) ring small arc (inside & outside)
- Retaining (snap) ring large arc (inside & outside)
- Spark plug boot
- Relay remover
- 6" Combo slip joint
- 6" Needle nose
- 9" Adjustable joint
- 7" Diagonal cutter
- 10" Vise-Grip locking

### ELECTRICAL

- \* Fluke 88 V/A Automotive Multimeter combo kit
- Electrical circuit tester (test light)
- Battery terminal cleaner

### SPECIALTY TOOLS

- Remote starter switch
- Vacuum pump
- Stethoscope

\* See Instructor

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

REQUIRED TOOLS Plus Tool Cabinet (maximum 42" long)

ASSET reserves the right to change or modify list at anytime.

### MEASURING INSTRUMENTS

- Spark plug wire gauge
- General use feeler gauge
- Ignition/spark tester
- Digital dial calipers
- Dial indicator (vise-grip type)
- Scribe

### HAMMERS

- 12 oz. Ball peen
- 16 oz. Ball peen
- 20 oz. Dead blow
- 48 oz. Dead blow
- Rubber mallet

### SCREWDRIVERS

- Pocket screwdriver
- 5 Phillips: #1, 2, 3, 4 & stubby tips
- 5 Standard: #1, 2, 3, 4 & stubby tips
- Torx: T10-T55

### \*\*SUPPLIES

- Pair of welding gloves
- Safety glasses &/or goggles
- Maglight or flashlight

### BRAKE TOOLS

- Bleeder wrench 1/4" x 3/8"
- Spring pliers
- Bleeder wrench 8 x 10mm
- Adjusting spoon
- Retainer spring tool 3/4" cap
- Retainer spring tool 5/8" cap

### FILES

- 10" Flat w/handle
- 8" Round w/handle
- 6" Triangle w/handle
- File card

### MISCELLANEOUS TOOLS

- Wire stripper
- Wire brush
- 10 pc. Punch & chisel set
- Roll Pin punch set 5 pc.
- Hacksaw
- 12' tape measure
- Inspection mirror
- Hook & awl pick set
- Putty knife
- Radiator hose tool cable type
- 2-fender covers
- A/C thermometer
- Utility knife
- Screw extractor kit
- Telescoping magnetic pickup tool Mechanical fingers
- Mechanic gloves
- Tire gauge
- Air pressure gauge
- Pry bar set (4-6)
- Air blow gun (2 foot long)

### OPTIONAL TOOLS

- Standard deepwell 1/4" drive sockets 3/16" to 9/16"
- Ford fuel disconnect tools
- Drill bit set
- Serpentine belt tool
- Trim panel remover set
- Hand Impact driver with set of bits
- Impact deep sockets 6 point standard 9/16" to 1 1/4"
- 1/4" Air ratchet
- 3/8" Air drill
- 1/4" torque wrench