



Associate of Applied Science Degree

Credit Hours Required for Graduation:  
Associate of Applied Science Degree: ..... 68.5



For more information contact:  
William E. Vocasek, Program Director  
402-761-8241, 800-933-7223 ext. 8241  
bvocasek@southeast.edu

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

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SCC has a great partnership with Deere Construction & Forestry, and this program prepares students to be entry-level service technicians within the dealerships. Graduates typically continue employment with their sponsoring dealership. Students are in the classroom and lab at the Milford Campus, but also apply what they've learned at the sponsoring Deere Construction & Forestry dealership.

Students take courses through John Deere University and will successfully complete Levels 1 & 2 Construction & Forestry Equipment classes to qualify for graduation. These classes are assigned throughout the student's training.



When I attended the Deere Construction and Forestry Equipment Tech program at Southeast Community College, I was met with nothing but energy and enthusiasm. The faculty and staff at this institution are top rate and want their students to be successful. The instructors and staff provided me with the help I needed to achieve my goals. I received



training developed specifically for Deere Construction equipment technicians.

The specialized training I received prepared me for my career as a technician. This gave me an advantage as I stepped into my career.

I had a head start and was prepared to join the Deere team. This school puts students first. I am so glad I made the decision to attend this program at SCC."



- Daniel Gascho, Service Manager  
Murphy Tractor & Equipment Company



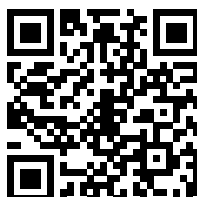
## Top Career Options

- Construction Equipment Technician at a Deere construction and forestry equipment dealership



## Graduate Earnings

Recent graduates report an average starting wage of \$24.30 per hour.



Scan this code to visit our program web page!

2019-2020 Tuition/Fee Rate Per Credit Hour	
Nebraska Resident	\$108
Out-of-state tuition/fee rate	\$129
<b>Estimated Expenses</b>	
Tuition/Fees	\$ 7398
Books	1290
Special Fees	
Tools/Supplies	8455
<b>Total:</b>	<b>\$17,138</b>

## 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	4.0
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. 6.0  
16.0 hours

## Deere Construction & Forestry Equipment Tech

### Courses

Course #	Course title	Credit hrs
JDCE1110	Deere Orientation and Fundamentals	2.0
JDCE1120	Deere Electrical/ Electronics I	4.0
JDCE1140	Deere Diesel Fuel Systems	2.0
JDCE1150	Deere Theory of Engine Operation and Repair	4.0
JDCE1220	Deere Electrical/ Electronics II	4.0
JDCE1240	Deere HVAC	2.0
JDCE1901	Dealer Cooperative Experience	5.0
JDCE2310	Deere Advanced Fuel Systems & Engine Diagnostics	4.0
JDCE2330	Deere Mechanical Power Trains	5.5
JDCE2350	Deere Hydraulics & Hydrostatic Drives	4.5
JDCE2410	Deere Electrical/ Electronics III	3.0
JDCE2430	Deere Backhoes, Four-Wheel Drive Loaders, Skid Steer Loaders	4.0
JDCE2440	Deere Excavators, Crawler Dozers, Motor Graders	6.0
WELD1190	O/A and GMAW Welding	1.0
WELD1191	GMAW and SMAW Industrial Welding Practices	1.5
		52.5 hours

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



## Basic Tools for Deere Construction & Forestry Equipment Tech Program

A tool set is required for successful completion of the program and required as an entry level technician. Tools may be purchased from a vendor of the individual's choosing. Vendors are available and offer students a discount. The discounts are determined by each vendor.

The cost of tools will vary depending on which vendor is selected. Each term has different requirements for tools.

NOTE: Tools may be purchased from vendors on campus. This includes first and second terms.

### Tools Required for 1st Semester

**Students must have in their possession the following two tools by day two!**

\*\*1 - Fluke Model 87 or 88 Multimeter (NO SUBSTITUTES)

\*\*1 - 0 to 1" Micrometer (Non-digital, Electronic or Mechanical)

(Check w/instructor before purchasing for requirements)

**\*\* Do NOT PURCHASE from a vendor that must order and deliver at a later date!**

- \*1 - Scientific Calculator
- \*1 - Safety Glasses (must meet Z87 specs.)
- 1 - Roll-A-Way Tool Box (Top Chest Optional) (**Maximum 55" long** – 55" includes hang/add on boxes)
- 1 - Combination Pliers
- 1 - 6" Needle Nose Pliers
- 1 - Water Pump or Channel Lock Pliers
- 1 - Internal/External Snap Ring Pliers Kit - reversible (not interchangeable) tips
- 1 - 4" Vise Grip Pliers w/cutter
- 1 - 6" Vise Grip Needle Nose Pliers
- 1 - 10" Vise Grip Pliers w/cutter
- 1 - Allen Wrench Set, English
- 1 - "O" Ring Tool Kit
- 1 - Penlight
- 1 - 6" Steel Rule
- 1 - Ignition Wrench Set (7/32" - 3/8" range)
- 1 - Hacksaw w/blades
- 1 - 16" Rolling Head Bar
- 1 - 1 lb. Ball Peen Hammer
- 1 - Compothane "Dead Blow" Hammer, 3 lb. minimum
- 1 - .0015" - .030" Feeler Gauge Set - Flat
- 1 - Gasket Scraper (minimum 1" wide, short length)
- 1 - 10" Half Round File w/handle
- 1 - 10" Single Cut Mill File w/handle
- 1 - 8" x 5/16" Round File w/handle
- 1 - File Card
- 1 - 1 1/2" Flat Tip Screwdriver
- 1 - 2 7/8" Flat Tip Screwdriver
- 1 - 4" Flat Tip Screwdriver
- 1 - 6" Flat Tip Screwdriver
- 1 - 8" Flat Tip Screwdriver
- 1 - No. 1 Phillips Screwdriver
- 1 - No. 2 Phillips Screwdriver
- 1 - No. 3 Phillips Screwdriver
- 1 - No. 4 Phillips Screwdriver
- 1 - Dial Indicator w/Magnetic Base (1" Travel Indicator)
- 1 - Telescoping Magnet
- 1 - Air Conditioning Duct Thermometer
- 1 - Brass Drift (3/4" Diameter)
- 1 - Center Punch
- 1 - 1/8" Pin Punch
- 1 - 5/32" Pin Punch
- 1 - 3/16" Pin Punch
- 1 - 1/4" Pin Punch
- 1 - 1/8" Starting Punch
- 1 - 1/4" Starting Punch
- 1 - 3/8" Cold Chisel
- 1 - 1/2" Cold Chisel
- 1 - 3/4" Cold Chisel
- 1 - Air Chuck (for inflating tires)
- 1 - Electrical Pliers, Wire Crimper/Cutter/Stripper
- \*1 - Welding Gloves
- \*1 - Oxyacetylene Welding Headgear w/ Face Shield #5 Lens, also clear face shield for general shop eye protection while grinding, buffing, etc.
- \*1 - Arc Welding Helmet w/#10 Lens and 2 clear plastic lenses
- 1 - Combination Wrenches (3/8" to 1 5/16")
- 1 - Metric Combination Wrench Set (8mm to 24mm)
- \*1 - Chipping Hammer w/Steel Brush
- \*\* 1 - Electrical Test Lead Kit
- \*\* 1 - Steel/Fastener Kit - Hand Tools Project
- 1 - 1/4" Drive Socket Set (1/4" to 1/2") including Ratchet, Short Extension, Drive Handle, and Universal Joint (6 point sockets)
- 1 - 3/8" Drive Socket Set (3/8" to 7/8") including Ratchet, Long Handle, 4" & 6" Extensions, Long Flex Handle, Speed Handle and Universal Joint (12 point sockets)
- 1 - 1/2" Drive Socket Set (3/8" to 1 5/16") including Long Handle Ratchet, 3" & 6" Extensions Approximately 24" Flex Handle, and Universal Joint (12 point sockets)
- 1 - 3/8" Drive Deep Socket Set (English) (6 point)
- 1 - 1/2" Drive Deep Socket Set (English) (6 point)
- 1 - 1/4" Drive Metric Socket Set 6 point (4mm to 15mm)
- 1 - 3/8" Drive Metric Socket Set (8mm to 19mm) 12 point
- 1 - 1/2" Drive Metric Socket Set (10mm to 32mm) 12 point
- 1 - 3/8" to 1/4" Impact Adaptor
- 1 - 1/4" to 3/8" Impact Adaptor
- 1 - 3/8" to 1/2" Impact Adaptor
- 1 - 1/2" to 3/8" Impact Adaptor
- 1 - 1/2" to 3/4" Impact Adaptor
- 1 - 1/2" Drive Torque Wrench (250 ft. lb.)
- 1 - Twist Drill Index 1/16" to 1/2" by 64ths
- 1 - 3/8" Drive Torque Wrench (100 ft. lb.)
- 1 - Flat Nose Snap Ring Pliers (14" long/ 1 1/2" opening/wide jaw)
- 1 - Flat Nose Snap Ring Pliers (14" long/ 1 1/2" opening/narrow jaw)
- 1 - Pistol Grip Air Gun w/rubber tip
- 1 - Air Conditioning Service Wrench (1 1/4" to 3/16" square drive on one end with 1/2" to 9/16" Hex on opposite end)
- 1 - 6" Dial Caliper
- 1 - Ear Protection
- 1 - Thread Pitch Gage (English)
- 1 - Thread Pitch Gage (Metric)
- 1 - Angle Feeler Gauge Set
- 1 - Stop Watch
- 1 - Crow's Feet Set, Straight to 1 1/2"
- 1 - Torx Bit Socket Set (Male)
- 1 - Allen Head Socket Set (English) (3/8" drive)
- 1 - Allen Head Socket Set (Metric) (3/8" drive)
- 1 - Filter Wrench (Big Strap)
- 1 - Long Reach Needle Nose Pliers
- 1 - Inch Pound Torque Wrench Dial or Beam Type

### Additional Tools for 2nd Semester

- 1 - 6 Point Flare Nut Wrench 1/4" - 5/16"
- 1 - 6 Point Flare Nut Wrench 3/8" - 7/16"
- 1 - 6 Point Flare Nut Wrench 1/2" - 9/16"
- 1 - 6 Point Flare Nut Wrench 5/8" - 3/4"
- 1 - 1/2" Drive Flare Nut Socket (6 Point)
- 1 - 1/2" Drive 5/8" Flare Nut Socket (6 Point)
- 1 - Metric Allen Wrench Set
- 1 - 20" Rolling Head Bar
- 1 - 16" Pinch Bar
- 1 - 30" Pry Bar
- 1 - Tire Pressure Gauge (100 psi capacity)
- 1 - Machine Hammer (3 lb. or 4 lb.)
- 1 - 3/8" Drive Impact Flex Impact Socket Set (7/16" to 3/4" 6 Point)
- 1 - 3/8" Drive Impact Flex Impact Socket Set (10mm to 19mm 6 Point)
- 1 - Metric Combination Wrenches (25mm to 32mm)
- 1 - 1 1/2" Drive Allen Sockets (1/2, 9/16, & 5/8)
- 1 - 1/2" Drive Allen Sockets (12mm, 14mm, & 17mm)
- 1 - Dial or Digital Tire Pressure Gauge w/ max 50psi
- 1 - 24" Crescent Wrench
- 1 - Rechargeable Work Light
- 1 - Channel Lock Pliers (LARGE)

### Optional Tools beginning 3rd Semester

- 1 - 3/8" Air Ratchet
- 1 - 3/8" Air or Electric Impact Wrench
- 1 - 3/8" Drive Impact Deep Socket Set (3/8" to 7/8")
- 1 - 1/2" Air Impact Wrench
- 1 - 1/2" Drive Impact Deep Socket Set (1/2" - 1 1/2")
- 1 - 1/2" Drive Metric Impact Socket Set (19mm to 32mm)
- 1 - English Angle Head Open End Wrench Set (3/8" to 2")
- 1 - 36" Pry Bar
- 1 - Short combination Wrench Set, English (3/8" - 3/4")
- 1 - Combination Wrenches (1 3/8" to 2")
- 1 - Long Reach Bearing Race Punch
- 1 - Gear Wrenches
- 1 - Die Grinder
- 1 - Air Hammer

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

