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

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

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

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.

2019-2020 Tuition/Fee Rate Per Credit Hour
Nebraska Resident $108
Out-of-state tuition/fee rate $129

Estimated Expenses
Tuition/Fees $7398
Books 1290
Special Fees 8455
Tools/Supplies 8455
Total: $17,138
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,
no two classes from the same area.)

**OR**

Elective: Additional courses from the three areas below;
-a student can select 5 additional courses from the three areas below;
-One class from each area below.

Complete list.
See the General Education Pages for a complete list.

Requirements
General Education

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hrs</th>
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<tr>
<td>JDCE1110</td>
<td>Deere Orientation and Fundamentals</td>
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<td>Deere Electrical/ Electronics I</td>
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<td>Deere Diesel Fuel Systems 2.0</td>
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<td>JDCE1150</td>
<td>Deere Theory of Engine Operation and Repair</td>
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<td>Deere Electrical/ Electronics II</td>
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<td>JDCE1901</td>
<td>Deere Cooperative Experience</td>
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<td>Deere Hydraulics &amp; Hydrostatic Drives</td>
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<td>Deere Electrical/ Electronics III</td>
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<td>JDCE2430</td>
<td>Deere Backhoes, Four-Wheel Drive Loaders, Skid Steer Loaders</td>
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<td>JDCE2440</td>
<td>Deere Excavators, Crawler Dozers, Motor Graders</td>
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<tr>
<td>WELD1191</td>
<td>GMW and SAW Welding</td>
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52.5 hours

Deere Construction & Forestry Equipment Tech Courses

**Tools Required for 1st Semester**

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

**1 - Scientific Calculator**

**1 - Safety Glasses (must meet Z87 specs.)**
- Roll-A-Way Tool Box (top Chest Optional) (Maximum 52" long – 55" includes hang/add on boxes)
- Combination Pliers
- 6" Needle Nose Pliers
- Water Pump or Channel Lock Pliers
- Internal/External Snap Ring Pliers Kit - a vendor (not interchangeable) Tips
- 4" Vise Grip Pliers w/cutter
- 6" Vise Grip Needle Nose Pliers
- 10" Vise Grip Pliers w/cutter
- Allen Wrench Set, English
- "O" Ring Tool Kit
- Penlight
- 6" Steel Rule
- Ignition Wrench Set (7/32" - 3/8" range)
- Hackaww/bldes
- 16" Rolling Head Bar
- 1 lb. Ball Peen Hammer
- Compass/"Dread Blow" Hammer, 3 lb. minimum
- 0.005"- .030" Feeler Gauge Set – Flat
- Gasket Scraper (minimum 1" wide, short length)
- 10" Half Round File w/handle
- 10" Single Cut Mill File w/handle
- 8" x 5/16" Round File w/handle
- File Card
- 1 - 1/2" Flat Tip Screwdriver
- 1/2" Flat Tip Screwdriver
- 4" Flat Tip Screwdriver
- 6" Flat Tip Screwdriver
- 8" Flat Tip Screwdriver
- No. 1 Phillips Screwdriver
- No. 2 Phillips Screwdriver
- No. 3 Phillips Screwdriver
- No. 6 Phillips Screwdriver
- Dial Indicator w/Magnetic Base (1" Travel Indicator)
- Telescoping Magnet
- Air Conditioning Duct Thermometer
- Brass Drift (3/4" Diameter)
- Center Punch
- 1/8" Pin Punch
- 5/32" Pin Punch
- 3/16" Pin Punch
- 1/4" Pin Punch
- 1/8" Starting Punch
- 1/4" Starting Punch
- 3/8" Cold Chisel
- 1/2" Cold Chisel
- 3/4" Cold Chisel
- Air Chuck (for inflating tires)
- Electrical Pliers, Wire Crimpers/ Cutters/Stripper
- Welding Gloves
- Oxycetylene 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**

**Combination Wrenches (3/8" to 1 1/4")**

**Metric Combination Wrench Set (8mm to 24mm)**

**1 - Oxyacetylene Welding Hammer w/Steel Brush**

**1 - Electrical Test Lead Kit**

**1 - Steel/Fastener Kit - Hand Tools Project**

1/4" Drive Socket Set (1/4" to 1/2")

including Ratchet, Short Extension Drive, Handle and Universal Joint (6 point sockets)

1/2" 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)

1/4" Drive Socket Set (3/8" to 1 1/16")

including Long Handle Ratchet, 3" & 6" Extensions Approximately 24" Flex Handle, and Universal Joint (12 point sockets)

1/4" 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 Adapter

1 - 1/4" to 3/8" Impact Adapter

1 - 3/8" to 1/2" Impact Adapter

1 - 1/2" to 3/8" Impact Adapter

1 - 1/2" to 3/8" Impact Adapter

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/ 1/2" opening/wide jaw)

1 - Flat Nose Snap Ring Pliers (14" long/ 1/2" opening/narrow jaw)

1 - Pistol Grip Air Gun w/rubber tip

1 - Air Conditioning Service Wrench (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 - Air Pressure

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 - Stop Watch

1 - Angle Feeler Gauge Set

1 - 16" 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 (3/16" 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 - 1/2" 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)

**Tools Required for 2nd Semester**

1 - 3/8" Air Ratchet

1 - 3/8" 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" - 3/4")

1 - 1/2" Drive Impact Metric 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.**