JOHN DEERE TECH

For 30 years, Southeast Community College and John Deere have partnered to train entry-level technicians for the company’s vast network of dealerships. This model program was the first of its kind in the United States. Students in this program secure a sponsoring John Deere dealer and are expected to continue employment at the dealership after graduation. John Deere is a Fortune 500 company employing more than 60,000 people worldwide.

Why SCC?

The established partnership allows program students, SCC and John Deere to benefit. Students receive hands-on education in all of the latest technology within the industry. Students learn about engines and fuel systems; hydraulics and power trains; electrical and electronics; tillage, seeding and harvesting equipment; heating, ventilation, refrigeration and air conditioning; and finally, Oxy Acetylene and Gas Metal Arc Welding. SCC’s training facility was expanded with a nearly 20,000 square-foot addition enhance learning opportunities and to help meet the demand for technicians. The lab area can accommodate several pieces of large equipment.

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

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, 402-323-3413, FAX 402-323-3420, or 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.  A021 - JD (09/19)
General Education Requirements

Contact your program advisor to select general education courses from each category which will meet your program’s graduation requirements.

(One class from each area below)

Oral Communications 3.0
Written Communications 3.0
Critical Thinking & Problem Solving 4.0

PHYS1150 Descriptive Physics

(Please contact your advisor to select courses from the above areas.)

Global Awareness and Citizenship, Analytical, Quantitative and Scientific Reasoning,

and/or Career and Life Skills.

See catalog for eligible classes.

John Deere Tech Programs

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

Course # Course Title Credit hrs

JDAT1110 John Deere Orientation & Fundamentals 3.0
JDAT1120 John Deere Shop Operations 3.0
JDAT1130 John Deere Engines and Fuel Systems 6.0
JDAT1250 John Deere Hydraulic and Power Train Theory 3.0
JDAT1255 John Deere Hydraulic and Power Train Lab 6.0
JDAT1901 John Deere COOP 5.0
JDAT2350 John Deere Electrical and Electronics 6.0
JDAT2410 John Deere Tillage, Seeding and Harvesting 6.0
JDAT2430 John Deere Tillage, Seeding and Harvesting Lab 4.0
JDAT2440 John Deere HVAC and New Product 3.0
JDAT2450 John Deere Advanced Technologies 3.0
WELD1190 O/A and GMAW Wielding 1.0

75.0 hours

Every program class you go to, the instructors don’t make it a walk in the park. They are all great instructors.

- Zac Carder, September 2016 Graduate
Advanced Service Tech, Landmark Implement, Smith Center, Kansas

John Deere Tech Program

SPECIAL NOTE: The second day of the term the student is required to have in their possession the following named tools:

1 - Fluke Model 87 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 & deliver at a later date!

Required Tools 1st Term

1 - Digital Voice Recorder
*1 - Safety Glasses (must meet Z87 specs)
1 - Service Tool Box (Maximum 4,500 cubic inch storage size)
1 - Combination Pliers
1 - 6” Needle Nose Pliers
1 - 7” Diagonal Pliers
1 - 10” Vise Grip Pliers w/cutter
1 - “O” Ring Tool Picks Long and Short
1 - 6” Steel Rule
1 - Hack saw w/blades
1 - 1 lb. Ball Peen Hammer
1 - .0015” - .030” Feeler Gauge Set
10” Half Round File w/Handle
10” Single Cut Mill File w/handle
8” x 5/16” Round File w/handle
1 - File Card
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 - Center Punch
1 - Electrical Pliers, Wire Crimper/ Cutter/Stripper
1 - Welding Gloves
1 - 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
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
6” Vise Grip Needle Nose Pliers
1 - Allen Wrench Set, SAE (Socket options)
1 - Penlight (LED recommended)
1 - Ignition Wrench Set (1/2”, 1/4”)
1 - 16” Rolling Head Bar
1 - Comphostone “Dead Blow” Hammer, 2 or 3 lb.
1 - Gasket Scraper (minimum 1” wide, short length)
1 - Dial Indicator w/Heavy-Duty Magnetic Base
(1” Travel in 1” increments)
1 - Telescoping Magnetic Magnet
1 - Air Conditioning Duct Thermometer (Infrared thermometer option)
1 - Brass Drill (3/8” diameter)
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 - 3/8” Air Impact Wrench
1 - 1/2” Air Impact Wrench
1 - Metric Angle Head Open End Wrench Set (.5mm to 19mm)
1 - English Angle Head Open End Wrench Set (3/8” to 1 1/4”)
1 - Impact U-Joint/Swivel – 1/2” Drive
1 - Roll Pin Punch Set – 12 Piece Set (Snap-On PPRTX24 equivalent)
1 - Air Operated Right Angle Driver/ Grinder (Gasket Removal)
1 - Air-Conditioning R-134A Gauge/ Manifold/Hose set
1 - Air Die Grinder
1 - Air Cutoff Tool
1 - 1/4” Drive Inch-Pound Torque Wrench
1 - Allen Socket Set (SAE & Metric)
1 - Torx Socket Set (T8 to T55)
1 - 3/8” Drive Deep & Shallow Impact Socket Set (3/8” to 7/8”)
1 - 3/8” Drive Metric Deep & Shallow Impact Socket Set (8mm to 24mm)
1 - 1/2” Drive Deep & Shallow Impact Socket Set (1/2” to 1 1/2”)
1 - 1/2” Drive Metric Deep & Shallow Impact Socket Set (19mm to 32mm)
1 - 3/8” to 1/2” Drive Extentions
1 - 1/2” to 3/4” Adapter
1 - Tap & Die Set
1 - Infrared Thermometer

Optional Tools

1 - 3/8” Air Impact Wrench
1 - 1/2” Air Impact Wrench
1 - Metric Angle Head Open End Wrench Set (5mm to 19mm)
1 - English Angle Head Open End Wrench Set (3/8” to 1 1/4”)
1 - Infrared Thermometer
1 - 1/2” Air Cutoff Tool
1 - 1/4” Drive Inch-Pound Torque Wrench
1 - Allen Socket Set (SAE & Metric)
1 - Torx Socket Set (T8 to T55)
1 - 3/8” Drive Deep & Shallow Impact Socket Set (3/8” to 7/8”)
1 - 3/8” Drive Metric Deep & Shallow Impact Socket Set (8mm to 24mm)
1 - 1/2” Drive Deep & Shallow Impact Socket Set (1/2” to 1 1/2”)
1 - 1/2” Drive Metric Deep & Shallow Impact Socket Set (19mm to 32mm)
1 - 3/8” to 1/2” Drive Extentions
1 - 1/2” to 3/4” Adapter
1 - Tap & Die Set
1 - Infrared Thermometer

* 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 (determined by each vendor). The cost of tools will vary depending on which vendor is selected. At each quarter there is different requirements for tools, some quarters will exceed the estimate listed above and some quarters will be below the listed estimate.

* May be purchased at the Campus Store.

** Purchase from the Campus Parts Store.