



Associate of Applied Science Degree

Credit Hours Required for Graduation:
Associate of Applied Science Degree: 74.0



For more information contact:

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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.



The JD Tech program was a good choice for me because I enjoy working with my hands and being around agriculture. The JD Tech program gave me a good career path with no student loan debt.

- Beau Dostal, 2018 Graduate
Plains Equipment Group
Seward, Neb.



The partnership Plains Equipment Group has with SCC's John Deere Ag-Tech program is key to us having the most qualified technicians in the industry. Our technicians graduate with the knowledge and skills to provide our customers with outstanding support.

- Tim Lottman, Service Manager
Plains Equipment Group



Top Career Options

- John Deere dealership technician



Graduate Earnings

Recent graduates report an average starting wage of \$16.50 per hour.



2019-2020 Tuition/Fee Rate Per Credit Hour	
Nebraska Resident	\$108
Out-of-state tuition/fee rate	\$129
Estimated Expenses	
Tuition/Fees	\$ 7992
Books	1025
Special Fees	
Tools/Supplies	6880
Total:	\$15,897

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

John Deere Tech Courses

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	6.0
JDAT1255	John Deere Hydraulic and Power Train Lab	6.0
JDAT1901	John Deere COOP	5.0
JDAT2310	John Deere Electrical and Electronics	6.0
JDAT2330	John Deere Electrical and Electronics Lab	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 Welding	1.0
		58.0 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

Basic Tools for 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 Recommended
- *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 - Hacksaw w/blades
- 1 - 1 lb. Ball Peen Hammer
- 1 - .0015" - .030" Feeler Gauge Set
- 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 - Center Punch
- 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 - Chipping Hammer w/Steel Brush
- 1 - Test Lead Set (Snap-On MT300 or equivalent)
- **1 - Electrical Test Lead Kit
- **1 - Engine Lift Kit Materials
- 1 - Twist Drill Index 1/16" to 1/2" by 64ths plus 5/8" bit
- 1 - Ear Protection
- 1 - Thread Pitch Gauge (English)
- 1 - Thread Pitch Gauge (Metric)
- 1 - Dial Caliper 6" (non-digital)
- 1 - 3/8" Drive Socket Set (3/8" to 7/8") including Ratchet, Long Handle, 4" & 6" Extensions, Long Flex Handle, Speed Handle & Universal Joint (12 point sockets)
- 1 - 3/8" Drive Metric Socket Set (8mm to 19mm) 12 point
- 1 - Combination Wrenches (3/8" to 1")

Required Tools 2nd Term

- *1 - Scientific Calculator
- 1 - Roll-A-Way Tool Box (Top Chest Optional) (Maximum 55" long - 55" includes hang/add on boxes)
- 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 3/4" Flare Nut Socket (6 Point)
- 1 - 1/2" Drive 5/8" Flare Nut Socket (6 Point)
- 1 - Metric Allen Wrench Set (Socket option)
- 1 - 20" Rolling Head Bar
- 1 - 16" Pry Bar
- 1 - 24" Pry 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 Socket Set (7/16" to 3/4" 6 Point)
- 1 - Bearing Race Punch (MAC PB37L or equivalent)
- 1 - John Deere Starter Wrench (JDE80 or equivalent)
- 1 - Seal Puller Snap-On YA105 or equivalent)
- 1 - Telescopic Handled Mirror
- 1 - Valve Guide/Oil Passage/Injection Nozzle Brush Set
- 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 - Allen Wrench Set, SAE (Socket option)
- 1 - Penlight (LED recommended)
- 1 - Ignition Wrench Set (7/32" - 3/8" range)
- 1 - 16" Rolling Head Bar
- 1 - Compothane "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 Magnet
- 1 - Air Conditioning Duct Thermometer (Infrared thermometer option)
- 1 - Brass Drift (3/4" 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 - Combination Wrenches (1 1/16" to 1 5/16")
- 1 - Metric Combination Wrench Set (8mm to 32mm)
- 1 - 1/4" Drive Socket Set (1/4" to 1/2") including Ratchet, Short Extension, Drive Handle, & Univ. Joint (6 pt. sockets)
- 1 - 1/2" Drive Socket Set (3/8" to 1 5/16") including Long Handle Ratchet, 3" & 6" Extensions Approximately 24" Flex Handle, & Universal Joint (12 point sockets)
- 1 - 1/4" Drive Metric Socket Set 6 point (4mm to 15mm)
- 1 - 1/2" Drive Metric Socket Set (10mm to 32mm) 12 point
- 1 - 3/8" to 1/4" Adapter
- 1 - 1/4" to 3/8" Adapter
- 1 - 3/8" to 1/2" Adapter
- 1 - 1/2" to 3/8" Adapter
- 1 - 1/2" Drive Torque Wrench (250 ft. lb.)
- 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 (1/4" to 3/16" square drive on one end with 1/2" to 9/16" Hex on opposite end)

Optional Tools:

- 1 - 3/8" Air Impact Wrench
- 1 - 1/2" Air Impact Wrench
- 1 - Metric Angle Head Open End Wrench Set (10mm 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 PPR712K or 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" & 1/2" Impact Extensions
- 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. As each quarter has 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.