



Personality + Career

Students in the Deere Construction and Forestry Equipment Tech program are analytical thinkers and have good communication skills. They have a natural mechanical ability, can use the latest technology, computers, and are detail oriented. They are good team players, reliable, confident and are committed to completing the job right.

Program	Credential	What do students learn in the program?	What do students earn?	Career Opportunities	Students will have completed the following certifications at the time of graduation.	Required Tools, Supplies, and Uniforms
Deere Construction & Forestry Equipment Tech	Associate of Applied Science	Students learn operation, diagnostics, service, and repair of John Deere construction and forestry equipment, including engines, power trains, hydraulics, electrical, and electronic systems. Servicing of air-conditioning systems and refrigerant handling, forklift operation, use of tools, shop equipment, basic welding skills and safety are taught. John Deere products and service department procedures, utilization of Service Advisor and parts catalogs also are covered.	\$26.55 per hour, or \$55,224 annually	Entry-level Construction Equipment Technician at a Deere Construction & Forestry Equipment dealer	Forklift Operator Certification ASE AC System Repair and Refrigerant Handling John Deere University Pre-qualification Courses for Capstone	Tools are required. Refer to: Required Tool List A uniform is required and is provided by the student's sponsoring dealer.



» Your Next Steps to Choose SCC

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- ▶ Explore career options with an Admissions Counselor - southeast.edu/admissionsadvising
- ▶ Apply - southeast.edu/applynow

» Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - studentaid.gov/h/apply-for-aid/fafsa
- ▶ Scholarships - southeast.edu/scholarships
- ▶ Payment Plan - mycollegepaymentplan.com/southeast
- ▶ Veteran Education Benefits - southeast.edu/veterans-services
- ▶ GAP Assistance Program - southeast.edu/gap
- ▶ Children of State Teammate Tuition Reimbursement Program - southeast.edu/children-of-state-teammate-tuition-reimbursement-program



Scan this code to access the course listing

Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ admissions@southeast.edu



John Deere construction equipment is used in numerous types of earthmoving, including road building, underground utilities, site development, and residential construction. SCC's Deere Construction & Forestry Equipment Tech program teaches students theory of systems operation, troubleshooting, diagnostics, and repair procedures. Students become familiar with the John Deere C&F equipment product line, gain knowledge of dealership operation, develop customer service skills, and know the importance of productivity and professionalism.

As one of the few programs of its kind in the United States, SCC is centrally located in the heartland. Students come from all over the country to learn at the SCC Milford Campus due to the high emphasis on technical, hands-on education.

Program Contact Information

Keith Tempel, Program Chair
402-761-8296, 800-933-7223 ext. 8296
✉ ktempel@southeast.edu

The SCC Experience

- » Students receive training specific to John Deere construction and forestry equipment. Throughout the program students work toward becoming John Deere Certified Technicians. In addition to the Deere C&F Tech courses at SCC, students have access to John Deere University (JDU), an online resource based with John Deere. Completing short online JDU courses qualifies the student to attend capstone certification classes through their dealership. Upon graduation the student will be prepared to attend and successfully achieve their capstones, adding value to them in the workforce.
- » The Deere Construction and Forestry Equipment Tech program at SCC is a blend of technical classroom training and hands-on learning. The opportunity to take information and knowledge acquired in the classroom and directly apply it to hands-on lab activities brings with it a higher level of understanding, skill development and confidence. Hands-on learning develops experience, is challenging and it's fun.
- » During a Cooperative Experience course, a Deere C&F Tech instructor will work with the student and their sponsoring dealership to develop a good working relationship and a clear line of communication. Students go to work to gain hands-on experience on live projects, learn from seasoned technicians, and are exposed to real-world experiences at a repair shop. Many dealerships offer incentives such as scholarships, tuition reimbursement and tool assistance with the intention of students returning to the dealership to work after graduating.
- » John Deere and John Deere Construction and Forestry Equipment dealers provide top-of-the-line equipment for classroom and lab experiences, giving students a strong advantage as they enter the workforce.



Related Programs at SCC:

- Agriculture Management & Production (Agronomy focus)
- Automotive Technology
- Diesel-Ag Equipment Service Technology
- Diesel Technology-Truck
- Ford Automotive Student Service Educational Training Program
- General Motors Automotive Service Educational Program
- John Deere Tech
- Powersports Technology
- Precision Agriculture
- Professional Truck Driving
- Technical Skills Instructor

Program	Credential	Location	Credit Hours Required	Resident cost*	Non-Resident cost*	Starting Term(s)	Number of Semesters Required - Full Time	Is Summer Term Required for Full Time?	Online Option	Can the Program be Completed Entirely Online?	Part-Time Option	Class Schedule
Deere Construction & Forestry Equipment Tech	Associate of Applied Science	Milford	66.5	\$16,086	\$17,389.50	Fall	4	No	No	No	No	Monday - Thursday: 8 am-4 pm Friday: 8 am-Noon

*Listed program costs are approximate and subject to change based on market price of books, supplies, tools, uniforms, etc. Estimated costs include tuition, fees, books, supplies, tools, uniforms, etc.

TOOLS

Many tools are provided and students are only asked to purchase minimum tools in their first term, giving them time to explore and learn. Students then add to tools in future semesters. Tools are an investment in a student's career and SCC works with a variety of tool vendors to give students options. Many vendors offer students a significant discount. Students can also purchase tools from other vendors not associated with the College. Program faculty and advisors will provide students with specific information related to tools prior to the start of their first semester.

During the first week of each semester, tool vendors come to campus and provide students with options to buy single tools or tool sets based on program needs. Faculty will be available to help students make selections based on course and program needs.

Deere Construction & Forestry Equipment Tech - Required Basic Tool List

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.

Students must have in their possession the following two tools by day two! ** Do NOT PURCHASE from a vendor that must order and deliver at a later date!

- **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)

TOOLS REQUIRED FOR 1ST SEMESTER

- *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 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 (1/4" 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
- 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" 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)
- 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 1/2" Drive Allen Sockets (1/2, 9/16, & 5/8)
- 1 36" Pry Bar
- 1 Short combination Wrench Set, English (3/8" - 3/4")
- 1 Combination Wrenches (1 3/8" to 2")
- 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 Long Reach Bearing Race Punch
- 1 Gear Wrenches
- 1 Die Grinder
- 1 Air Hammer

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
- 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 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 1/2" Drive Allen Sockets (1/2, 9/16, & 5/8)
- 1 36" Pry Bar
- 1 Short combination Wrench Set, English (3/8" - 3/4")
- 1 Combination Wrenches (1 3/8" to 2")
- 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.