

2021
2022

YOUR FUTURE. YOUR CHOICE.

www.southeast.edu/DeereConstructionTech

CHOOSE YOU!

STEM



Are you interested in becoming a Deere Construction equipment technician? Would you like to learn all aspects of equipment repair, including electrical/electronics, fuel systems, engine operation, HVAC, power trains, hydraulics, and more?

SCC has a great partnership with Deere Construction & Forestry, and this program will prepare you to be a successful entry-level service technician at a dealership.



SCC is the Right Choice

- You'll divide your time between the classroom and lab at the Milford Campus and at your sponsoring Deere Construction & Forestry dealership, applying what you learned on campus.
- You'll take courses through John Deere University and will successfully complete Levels 1 & 2 Construction & Forestry Equipment classes to qualify for graduation.
- You'll learn all facets of Deere Construction and Forestry equipment, from backhoes, excavators, dozers, loaders, motor graders, scrapers to articulated dump trucks.
- Graduates typically continue employment with their sponsoring dealership, so it's truly an "earn-as-you-learn" program.

Credit hours required for graduation:

Deere Construction and Forestry Equipment Tech

»Associate of Applied Science66.5



Scan this code to access the course listing

For more information contact:

Chuck Hansen, Program Director
402-761-8301
CHansen@southeast.edu

or the Admissions Office at
402-437-2600
admissions@southeast.edu



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A0715 - DCFE (08/21)

» Career Options

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

Recent Graduates

report a yearly average starting salary of

\$55,016



2021-2022 estimated expenses to graduate with an award of 66.5 credit hours.

Resident	
Tuition/Fee Rate Per Credit Hour	\$114
Resident Tuition/Fees	\$7,581
Books	\$1,300
Tools	\$8,455
Total:	\$17,336
Non-Resident	
Tuition/Fee Rate Per Credit Hour	\$135
Non-Resident Tuition/Fees	\$8,975.00

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

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| <ul style="list-style-type: none"> • *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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |
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ADDITIONAL TOOLS FOR 2ND SEMESTER

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| <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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.) | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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) |
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OPTIONAL TOOLS BEGINNING 3RD SEMESTER

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| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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") | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 1 Gear Wrenches • 1 Die Grinder • 1 Air Hammer |
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* May be purchased at the Campus Store. **May be purchased at the campus Parts Store.