

Personality + Career



You will be successful in our diesel programs if you enjoy learning how things work, work well independently, want an active job, and are detail oriented. More than 100,000 technicians will be needed in the next few years. The industry is actively seeking highly skilled, highly knowledgeable, motivated problem-solvers to fill those needs.

Program	Credential	What you'll learn!	What you'll earn!	Career Opportunities	Certificate Preparation	Required Tools, Supplies, and Uniforms
Diesel-Ag Equipment Service Technology	Associate of Applied Science	Students will learn the theory and operation, diagnosis, service and repair of all aspects of agricultural equipment, including precision guidance systems, as well as planting, spraying and harvesting machines. This includes engines, fuel systems, electronics, HVAC, hydraulics, steering and suspension systems, along with several different powertrain systems. Students will also gain basic welding skills.	\$23.60 per hour; \$49,088 annually	Ag Equipment Technician, Diesel Technician, Construction Equipment Technician	Lift Truck Operator Certification Section 609 HVAC Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.
Diesel-Ag Equipment Service Technology	Diploma	Students will learn transportation maintenance and repair fundamentals, electrical fundamentals, fuel systems, spraying equipment, precision guidance & controls, powertrains, and hydraulic systems.	(salary listed above is an average for all credentials)	Basic Ag Equipment Technician, Diesel Technician, Construction Equipment Technician	Lift Truck Operator Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.
Diesel-Ag Equipment Maintenance & Light Repair (NEW)	Certificate	Students will learn service and repair shop practices, basic elements of repair, proper use of tools, safety, and common vehicle circuits, design, diagnosis, and repairs.	(salary listed above is an average for all credentials)	Basic Ag Equipment Technician, Diesel Technician, Construction Equipment Technician	Lift Truck Operator Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.
Diesel Technology - Truck	Associate of Applied Science	Students will learn the theory and operation, diagnosis, service and repair of all aspects of a heavy duty truck. This includes engines, fuel systems, electronics, HVAC, braking, steering and suspension systems, along with several different powertrain systems. Students will also gain basic welding skills.	\$25.45 per hour; \$52,936 annually	Heavy Duty Truck Technician, Diesel Technician, Construction Equipment Technician	Our ASE accreditation provides one year of the required two years of work experience needed to earn ASE certification. Lift Truck Operator Certification Section 609 HVAC Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.
Diesel Technology - Truck	Diploma	Students will learn transportation maintenance and repair fundamentals, electrical fundamentals, hydraulics, braking systems, steering, and suspension/preventive maintenance.	(salary listed above is an average for all credentials)	Basic Heavy Duty Truck Technician, Diesel Technician, Construction Equipment Technician	Lift Truck Operator Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.
Diesel Technology - Truck Maintenance & Light Repair (NEW)	Certificate	Students are introduced to service and repair shop practices, basic elements of repair, the proper use of tools, safety, and OSHA standards and laws. Students will also learn vehicle electrical systems and their components.	(salary listed above is an average for all credentials)	Basic Heavy Duty Truck Technician, Diesel Technician, Construction Equipment Technician	Lift Truck Operator Certification	Tools are required. See required list. Uniform shirts are required and can be purchased through the Campus Store.

» Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - southeast.edu/visit
- ▶ 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/afsa
- ▶ 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 find out more about Diesel Ag Equipment



Scan this code to find out more about Diesel Truck

Contact Admissions to get started!

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

✉ admissions@southeast.edu



2024-2025 / » southeast.edu

Diesel Programs

- Diesel Technology-Truck
- Diesel Technology-Truck Maintenance & Light Repair

- Diesel-Ag Equipment Service Tech
- Diesel-Ag Equipment Service Tech Maintenance & Light Repair



Our diesel programs provide you with unique training opportunities, preparing you to begin a high-paying career as a diesel technician. You'll develop skills through hands-on work on a variety of diesel equipment. Based on which program concentration you choose, you may work on diesel construction equipment, ag equipment or trucks. Both concentrations include air conditioning, fuel systems, diesel engines, electrical systems, hydraulics and power trains. The diesel programs both utilize industry-sponsored equipment, tools and resources that are typical of modern dealership service requirements.

Southeast Community College is proud of our industry partnership with Crete Carrier, who assisted with the construction of our new Diesel Technology & Welding Center.

Sponsorships are not required for our diesel programs, but numerous opportunities exist. Many industry partners provide student assistance through sponsorships and scholarships that may provide tuition, fees, books, tools, and summer internships.

The Diesel-Truck program is accredited by the ASE Education Foundation, 1503 Edwards Ferry R., NE, Ste. 401, Leesburg, VA 20176, 703-669-6650, aseeducationfoundation.org



Program Contact Information

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The SCC Experience

- Receive hands-on education in our state-of-the-art facility on diesel construction equipment, ag equipment or trucks, including air conditioning, fuel systems, diesel engines, electrical systems, hydraulics and power trains. The Crete Carrier Diesel Technology & Welding Center opened in January 2020 and is one of best educational facilities in the Midwest.
- SCC's Diesel Technology programs are hands-on. Students will spend 70-75% of their time in the lab working on projects and live equipment. This experience is valuable in helping students excel in their future careers.
- An 8-week paid co-op will be completed during the summer between first and second year. Students get to choose who they want to intern with, and our instructors assist with placement when needed.
- Service technician opportunities are endless as they can work on a wide variety of equipment, from firetrucks to large construction equipment. The career offers tremendous opportunities in pay and benefits, and jobs are always available. The programs work closely with SCC's Career Services Office to bring employers to campus and post jobs.

Program	Credential	Location	Credit Hours	Tuition/ Fees*	Books/ Fees/ Supplies	Tools	Total Cost*	Starting Term(s)	Number of Semesters Required - Full Time	Is Summer Term Required for Full Time?	Typical Class Schedule
Diesel Ag-Equipment Service Tech	Associate of Applied Science	Milford	70	R- \$8,610 NR- \$10,080	\$995	\$10,710	R- \$20,315 NR- \$21,785	Fall Spring	4	Yes	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon
Diesel Ag-Equipment Service Tech (NEW)	Diploma	Milford	29	R- \$3,567 NR- \$4,176	\$920	\$10,710	R- \$15,197 NR- \$15,806	Fall Spring	2	No	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon
Maintenance & Light Repair (NEW)	Certificate	Milford	17	R- \$2,091 NR- \$2,448	\$830	\$710	R- \$3,631 NR- \$3,988	Fall Spring	1	No	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon
Diesel-Truck	Associate of Applied Science	Milford	70	R- \$8,610 NR- \$10,080	\$995	\$10,710	R- \$20,315 NR- \$21,785	Fall Spring	4	Yes	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon
Diesel-Truck (NEW)	Diploma	Milford	29	R- \$3,567 NR- \$4,176	\$920	\$10,710	R- \$15,197 NR- \$15,806	Fall Spring	2	No	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon
Maintenance & Light Repair (NEW)	Certificate	Milford	17	R- \$2,091 NR- \$2,448	\$830	\$710	R- \$3,631 NR- \$3,988	Fall Spring	1	No	Mon.-Thurs.: 8 am - 4 pm Friday: 8 am - Noon

*R=Resident, NR=Non-resident. Costs listed are estimates and are subject to change based on the market price of books, supplies, tools, uniforms, etc. Estimated costs also include tuition and fees. Additionally, days/times of week for class, lab, clinical/practicum are subject to change based on curriculum, facilities, instructor, and site availability. Actual program schedules will be provided prior to each enrolled term.

There is no Part-time or Online option for these Programs of Study.

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.

DIESEL PROGRAMS' - REQUIRED TOOL LIST

-- FIRST DAY OF CLASS --

- 1st SEMESTER**
- Safety Glasses (Min. Z-87 Rated)
 - Leather Safety-Toe Boots
 - Hearing Protection (Ear Plugs)
 - Flashlight
 - Pocket Screwdriver

- Inspection Mirror
- Telescoping Magnetic Pickup Tool
- 4-Piece Pick Set
- Rubber Tip Air Nozzle
- Tire Pressure Gauge (At Least 120 Psi)

- Tire Inflator Air Chuck
- Tire Valve Core Tool
- Fluke 87 Multimeter
- 12v Test Light
- Wire Crimper/Stripper

- Coolant Tester
- Battery Terminal Cleaner
- Electrial Terminal Removal Tool
- Tool Bag

-- FIRST DAY OF WELDING CLASS --

- Auto Darkening Welding Helmet W/ Ability For Shade Setting 5 or Separate Shade 5 Grinding Shield

- Long Sleeve Welding Jacket
- Denim or Cotton Jeans With No Holes
- Welding Gloves

- Welper (Welding) Pliers
- Slip Joint Pliers

The tools/supplies for 1st Semester are available at the Campus Store - or through other retailers.

-- THESE TOOLS WILL BE NEEDED IN ADDITION TO THE FIRST SEMESTER REQUIRED TOOLS. --

TOOL BOX

- 1 - Roll-A-Way Tool Box (Top Chest Optional) (Maximum 55" long — 55" includes hang/add on boxes)

PLIERS

- 1 - Combination Pliers
- 1 - 6" Needle Nose Pliers
- 1 - 7" Diagonal Pliers
- 1 - Water Pump or Channel Lock Pliers (12" minimum)
- 1 - 4" Vise Grip Pliers w/Cutter
- 1 - 6" Vise Grip Longnose Pliers
- 1 - 10" Vise Grip Pliers w/cutter
- 1 - Flat-Nose Snap Ring Pliers - narrow tip
- 1 - Flat-Nose Snap Ring Pliers - wide tip
- 1 - Retaining Ring Pliers set
- 1 - Electrical crimping pliers

HAND WRENCHES

- 1 - SAE Allen Wrench Set
- 1 - Metric Allen Wrench Set
- 1 - Combination Wrenches (1/4" to 1 1/4")
- 1 - Combination Wrenches (6mm to 24mm)

PUNCHES / CHISELS

- 1 - Brass Drift Punch Set 3/8" to 1/2"
- 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 - Bearing Race Punch 14" or similar

PRYING TOOLS

- 1 - Radiator hose tool
- 1 - Rolling Head Bar (6" to 20") with indexing head
- 1 - Seal Puller
- 1 - Prybar set (up to 36")

HVAC

- 1 - Air Conditioning Thermometer

DRILLS

- 1 - Twist Drill Index 1/16" to 1/2" by 64ths

SOCKET WRENCHES

- 1 - 1/4" Drive Socket Set (3/16" to 9/16") - 6 Point
- 1 - 1/4" Drive Metric Socket Set (5-15mm) - 6-point
- 1 - 1/4" Drive Deep Socket Set (3/16" to 9/16") - 6 Point
- 1 - 1/4" Drive Metric Deep Socket Set (5-15mm) - 6-point
- 1 - 1/4" Drive Handle
- 1 - 1/4" Ratchet
- 1 - 1/4" 2" and 4" Extension set
- 1 - 1/4" Universal Joint
- 1 - 3/8" Drive Socket Set (1/4" to 7/8") - 12 Point
- 1 - 3/8" Drive Deep Socket Set, 12-point, (1/4" to 7/8") - 12 Point
- 1 - 3/8" Drive Metric Socket Set (8mm to 19mm) - 12 Point
- 1 - 3/8" Drive Impact Deep Socket Set (3/8" to 7/8") - 6 Point
- 1 - 3/8" Drive Impact Metric Deep Socket Set (10mm-19mm) - 6 Point
- 1 - 3/8" Ratchet
- 1 - 3/8" Flex Head Ratchet
- 1 - 3/8" Drive 3" & 6" Extensions
- 1 - 3/8" Drive Impact Universal Joint
- 1 - 1/2" Drive Impact Socket Set (1/2" to 1 1/4") - 6 point
- 1 - 1/2" Drive Impact Metric Socket Set (15mm to 27mm)
- 1 - 1/2" Drive Impact Deep Inch Socket Set (1/2"-1 1/4")
- 1 - 1/2" Drive Impact Deep Metric Socket Set (15mm-27mm)
- 1 - 1/2" Ratchet
- 1 - 1/2" Drive Long Flex Head Ratchet (20" long or more)
- 1 - 1/2" Drive 3" & 6" Extensions
- 1 - 1/2" Drive Impact Universal Joint
- 1 - 1/4" to 3/8" Adapter
- 1 - 3/8" to 1/4" Adapter
- 1 - 3/8" to 1/2" Adapter
- 1 - 1/2" to 3/8" Adapter
- 1 - 3/8" Drive Torque Wrench (5 ft.-lbs. to 75 ft.-lbs.)
- 1 - 1/2" Drive Torque Wrench (150 ft. lb. minimum)
- 1 - Torx Bit Socket Set (1/4" - 3/8" Drive, T8 to T55)
- 1 - 3/8" Drive Impact Wrench (Air or Electric)
- 1 - 1/2" Drive Impact Wrench (Air or Electric)

CUTTING TOOLS

- 1 - 10" Half Round File w/Handle
- 1 - 10" Single Cut Mill Bastard File w/ Handle
- 1 - 8" x 5/16" Round File w/Handle
- 1 - File Card
- 1 - Gasket Scraper

HAMMERS

- 1 - Short or Standard Handle Heavy Duty Hammer - 4 lb.
- 1 - 1 lb. Ball Peen Hammer
- 1 - Plastic "Dead Blow" Hammer, 2 or 3 lb.
- 1 - Hacksaw

MEASURING

- 1 - .0015" - .030" Feeler Gauge Set
- 1 - .0015" - .030" Angle Tip Feeler Gauge Set
- 1 - English Thread Pitch Gage
- 1 - Metric Thread Pitch Gage
- 1 - 6" Steel Rule
- 1 - Scribe
- 1 - Engine Stethoscope
- 1 - Dial Indicator w/Magnetic base (1" Travel Indicator)
- 1 - Tire Tread Depth Gauge
- 1 - 6" Dial Caliper
- 1 - Truck Tire Air Pressure Gauge
- 1 - 25" Tape Measure

SCREWDRIVERS

- 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 - Torx Screwdrivers (Include: T8 through T45)

GENERAL PURPOSE

- 1 - Telescopic Magnetic Pick-Up Tool
- 1 - Telescopic Handled Mirror
- 1 - 'O' Ring Pick Set
- 1 - Mechanical Claw Pick-Up Tool
- 1 - Creeper (required for DESL, optional for AGST)
- 1 - Truck Oil Filter Strap Wrench
- 1 - Schrader Valve Tool
- 1 - Refractometer

RECOMMENDED TOOLS

- 1 - Short Combination Wrench (10mm-19mm)
- 1 - Short Combination Wrench (5/16" to 3/4")
- 1 - 40-200 in. lbs. 1/4" Drive Torque Wrench
- 1 - 3/8" Air or Electric Ratchet
- 1 - R-134a gauge Set
- 1 - R134A resealable can adapter
- 1 - Brass Drift (2" x 12")
- 1 - Retractable test lead set
- 1 - Angle Head Open End Wrench Set (3/8" to 1 1/4")
- 1 - Metric Angle Head Open End Wrench Set (10mm to 19mm)
- 1 - 1/4" - 13/16" Flare Nut Wrench Set, Double Box End
- 1 - 9mm - 21mm Flare Nut Wrench Set, Double Box End
- 1 - Allen Head Socket Set (English) (3/8" Drive)
- 1 - Allen Head Socket Set (Metric) (3/8" Drive)
- 1 - 3/8" Drive Universal Metric Socket Set, Shallow 6-point, (10mm-19mm)
- 1 - 3/8" Drive Crowfoot Open End Set (English)
- 1 - 3/8" Drive Crowfoot Open End Set (Metric)
- 1 - 1/2" Drive Chrome Socket Set (1/2" to 1 1/4") - 6 point
- 1 - 1/2" Drive Chrome Metric Socket Set (15mm to 27mm)
- 1 - 1/2" Drive Chrome Deep Inch Socket Set (1/2"-1 1/4")
- 1 - 1/2" Drive Chrome Deep Metric Socket Set (15mm-27mm)
- 1 - 3/8" or 1/2" drill, air or electric
- 1 - Air Hammer and bit set
- 1 - Right Angle Die grinder
- 1 - Air Cut off Tool
- 1 - Roll Pin Punch Set
- 1 - Creeper (required for DESL, optional for AGST)
- 1 - UV Leak Detection Flashlight and glasses
- 1 - Hose clamp pliers - spring type
- 2 - Hose pinch pliers