

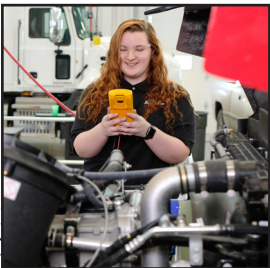
2021
2022

YOUR FUTURE. YOUR CHOICE.

www.southeast.edu/DieselTruck

CHOOSE YOU!

STEM



As a diesel technician, you are entering a career path that can take you anywhere! You will train to properly and efficiently repair diesel trucks in one of the finest facilities in the region: the Crete Carrier Diesel Technology & Welding Center.

Southeast Community College uses a bumper-to-bumper approach, ensuring that graduates are knowledgeable about each major system, including engines, brakes, HVAC, electrical and transmissions. Diesel technicians rely heavily on technology and tools to inspect, diagnose and repair all aspects of on-highway equipment, including trucks, trailers, buses, and emergency vehicles.

In the summer, you will be placed into an approved industry site to take a 5-credit hour Cooperative Experience course. You will receive valuable experience on customer projects and work directly with a mentor technician on the newest trucks on the road. You will receive a wage for the minimum 300 on-the-job work hours and many students work at their job site throughout the summer.

SCC is the Right Choice

- Students spend approximately 75% of their time in the lab and 25% in a classroom setting.
- Students who make a commitment to master fundamental technical skills, interpersonal relationships and a solid work ethic have tremendous opportunities in the diesel truck service and repair industries.
- Our graduates also find employment in construction equipment service, power generation, railways, aerospace, and manufacturing.

New! State-of-the-art facilities include:

- Contamination control measures for machinery and technicians, including a large wash bay, floor scrubber and used fluid/filter recycling
- New hydraulic and engine oil dispensed through a closed system
- Combined classroom/lab spaces for component studies
- Large-screen interactive media stations displayed in lab spaces for in-house or worldwide connectivity with training resources
- State-of-the-art welding center



Education Foundation

This program is accredited by the ASE Education Foundation, 1503 Edwards Ferry Rd., NE, Ste. 401, Leesburg, VA 20176, 703-669-6650, www.aseeducation.org

The program is certified by the ASE Education Foundation and is led by ASE-certified instructors. The program provides students with skills to become entry-level technicians in the diesel truck service industry.

» Career Options

- Diesel Technician
- Construction Equipment Technician

Recent Graduates

report a yearly average starting salary of

\$38,376

Credit hours required for graduation:

Diesel Technology - Truck

»Associate of Applied Science70

Additional certifications available:

- »Lift Truck Operator certification (optional)
- »A/C Refrigerant Handling certification (required)



Scan this code to access the course listing

For more information contact:

Karl Eickhoff, Program Director
402-761-8309
KEickhoff@southeast.edu

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



SCC receives requests for skilled diesel technicians almost daily!

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, 402-323-3412, 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.

A0718 - DESLT (10/21)

2021-2022 estimated expenses to graduate with an award of 71.5 credit hours.

Resident	
Tuition/Fee Rate Per Credit Hour	\$114
Resident Tuition/Fees	\$7,980
Books	\$1,690
Supplies	\$350
Special Fees	\$35
Tools	\$8,500
Uniform	\$150
Total:	\$18,705
Non-Resident	
Tuition/Fee Rate Per Credit Hour	\$135
Non-Resident Tuition/Fees	\$9,450

Diesel Technology-Truck Program - Required Basic Tool List

Students are required to use safety-toe boots or shoes during all lab activities and while participating in Cooperative Education/Internship.

1st Semester

PPE (PERSONAL PROTECTIVE EQUIPMENT)

- *1 Safety Eyewear (Z-87 Approved)
- *1 Hearing Protection (Ear muffs of Ear canal plugs)
- ***1 Pair Safety Toe Boots or Shoes

SUPPLIES:

*Calculator (4-function), Padlock for tool box, Arc Welding Gloves, and Electrical Test Kit (#80265115) in the Campus Store.

WELDING SUPPLIES

- (needed the first week of first semester.)
- Burn Jacket **or** Welding Leathers
 - Safety Glasses with side shields
 - Gauntlet-style welding gloves
 - Auto darkening welding helmet with either "Grind Mode" **or** a #5 shade for Oxy Acetylene work as well as a #10 shade for GMAW and SMAW welding
 - Welpers or MIG welding pliers (must be able to cut .035" welding wire)
 - Ear Plugs (3 Pair)
 - Welding Beanie (optional but beneficial)
 - Chipping Hammer and Wire Brush (only required for WELD 1191 Not WELD 1190)
 - Leather Boots
 - Denim Jeans or Overalls (No holes or tears in them)

TOOL CART

- 1 Tool Cart - lockable (max. size: 30" wide X 18" deep X 40" tall)

ELECTRICAL TOOLS

- *1 Fluke Model 87 Digital Multimeter (NO SUBSTITUTES)
- 1 Electrical Pliers, Wire Crimper/Cutter/Stripper
- 1 Wire Type Spark Plug Gage -Standard Ignition
- 1 Wire Type Spark Plug Gage -Electronic Ignition
- *1 Electrical Test Lead Kit 802 651 151
- *1 Jumper Kit #80265115
- 1 Penlight

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

HAND WRENCHES

- 1 Allen Wrench Set-English
- 1 Metric Allen Wrench Set
- 1 Ignition Wrench Set (7/32" - 3/8" range)
- 1 Combination Wrenches (3/8" to 1 1/4")

SOCKET WRENCHES

- 1 1/4" Drive Socket Set (1/4" to 1/2") -6 Point, including Ratchet, Short Extension & Drive Handle & Universal Joint
- 1 3/8" Drive Socket Set (3/8" to 7/8") -12 Point, including Ratchet, 3" & 5" Extensions, Flex Handle, Speed Handle and Universal Joint
- 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 Socket et (3/8" to 1 1/4") -12 point, including Ratchet, 3" & 6" Extensions, Flex Handle, Speed Handle and Universal Joint
- 1 1/2" Drive Deep Well Sockets, 3/8" to 7/8", 12 point
- 1 3/8" Drive Universal Socket Set, Shallow 6-point, (7/16" to 3/4")
- 1 3/8" Drive Socket Set, Deep, 6-point, (1/4" to 7/8")
- 1 1/4" Drive Metric 6-point Socket Set (5-14mm)

CUTTING TOOLS

- 1 Hacksaw w/Blades
- 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 Handle Machine Hammer - 4 or 5 lb.
- 1 1 lb. Ball Peen Hammer
- 1 Compothane "Dead Blow" Hammer, 2 or 3 lb.

PRYING TOOLS

- 1 'O' Ring Tool
- 1 Rolling Head Bar (6" to 20")

MEASURING

- 1 0 to 1" Micrometer (Non-Digital)
- 1 .0015" - .030" Feeler Gauge Set
- 1 Dial Indicator w/Magnetic Base (1" Travel Indicator)
- 1 English Thread Pitch Gage
- 1 Metric Thread Pitch Gage
- 1 40-200 in. lbs. 1/4" Drive Torque Wrench
- 1 6" Steel Rule
- 1 Scribe
- *1 Screw Sizer

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 Screwdriver, Flat Tip, Pocket, .025" tip, 4 3/4" Long (Snap-On®SDD2240 or equivalent)
- 1 Screw Extractor Set

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 (MAC BRP-4 or equivalent)
- 1 Cotter Pin/Seal Puller (Snap-On® #559094B or equivalent)

THE FOLLOWING TOOLS ARE OPTIONAL:

- 1 3/8" Air Ratchet
- 1 3/8" Air Impact Wrench
- 1 3/8" Impact Socket Set (3/8" to 7/8")
- 1 Angle Head Open End Wrench Set 3/8" to 1 1/4"
- 1 3/8" Drive Deep Socket Set (3/8" to 7/8")
- 1 3/8" Drive Metric Socket Set (8mm to 19mm)
- 1 Metric Angle Head Open End Wrench Set (10mm to 19mm)
- 1 Air-Conditioning R-134A Gauge/Manifold/Hose set
- 1 Refractometer

2nd Semester

TOOL BOX

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

PERSONAL PROTECTIVE EQUIPMENT

- *** Safety-toe boots/shoes required.

ELECTRICAL

- 1 Electronic Connector Tool (Blue Point TA500GM or equivalent)
- 1 Electronic Connector Tool (Blue Point GA500A or equivalent)

PLIERS

- 1 Retaining Ring Pliers, .038 Tip, 90-degree angle tip

HAND WRENCHES

- 1 Combination Wrench Set (13/16" to 1 1/4")
- 1 Combination Wrench Set (20mm to 24mm)
- 1 3/8" x 7/16" Flare Nut Wrench, Double Box End
- 1 1/2" x 9/16" Flare Nut Wrench, Double Box End
- 1 5/8" x 3/4" Flare Nut Wrench, Double Box End
- 1 3/8" Drive Crowfoot Open End Set (English)
- 1 3/8" Drive Crowfoot Open End Set (Metric)

SOCKET WRENCHES

- 1 3/8" Drive Torque Wrench (5 ft.-lbs. to 75 ft.-lbs minimum.)
- 1 1/2" Drive Torque Wrench (150 ft. lb. minimum)
- 1 1/2" Drive Metric Socket Set (10mm to 27mm)
- 1 1/2" Drive Socket Set (3/8" to 1 1/4"), 12 Point, including Ratchet, 4" & 6" Extensions, Flex Handle, & Universal Joint
- 1 1/2" Drive 3/4" Deep Socket-12 point
- 1 1/2" Drive 19mm Deep Socket-12 point
- 1 1/2" to 3/8" Adapter
- 1 3/8" to 1/2" Adapter
- 1 Allen Head Socket Set (English) (3/8" Drive)
- 1 Allen Head Socket Set (Metric) (3/8" Drove)
- 1 Torx Bit Socket Set (1/4" - 3/8" Drive, T8 to T55)
- 1 1/2" Drive Long Ratchet (20" long or more)
- 1 1/2" Drive Impact Deep Inch Socket Set (3/8"-1 1/4")
- 1 1/2" Drive Impact Deep Metric Socket Set (15mm-25mm)
- 1 1/2" Drive Air Impact Wrench

DRILLS

- 1 3/8" Variable Speed/ Reversible Drill (Electric/ Air)
- 1 Twist Drill Index 1/16" to 1/2" by 64ths

MEASURING

- 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 Straight Feeler Gage Set
- 1 12' Tape Measure

DRIVERS

- 1 Torx Screwdrivers (Include: T8 through T45)

SPECIAL TOOLS

- 1 OTC #7028 Clutch Adjusting Wrench

PUNCHES/CHISELS/ PRYBARS

- 1 Rolling Head Bar (Blue Point 2032 or Equivalent)
- 1 Bearing Race Punch (MAC PB37L or equivalent)
- 1 Brass Drift (2" x 12")

CUTTING TOOLS

- 1 Gasket Scraper

GENERAL PURPOSE

- 1 Telescopic Magnetic Pick-Up Tool
- 1 Telescopic Handled Mirror
- 1 'O' Ring Pick Set (Snap-On®A5A204A or equivalent)
- 1 Mechanical Claw Pick-Up Tool
- 1 Creeper
- 1 Pair of Tweezers
- 1 Cartridge Grease Gun w/ Flex Hose (14.1 oz.)
- 1 Utility Light w/10ft. Cord (Troublelight)
- 1 Truck Oil Filter Strap Wrench
- 1 Schrader Valve Tool

HVAC

- 1 Air Conditioning Thermometer
- 1 R134A Cap Tap Valve (Snap-On®ACT413 or equivalent)

*May be purchased at the SCC Milford **Campus Store**.

May be purchased at the Milford Campus **Parts Store. ***Must be purchased **off campus**.