



Associate of Applied Science Degree

Credit Hours Required for Graduation:..... 71.5

Scan this code to access the course listing



For more information contact:

Lester Breidenstine, Program Director
402-761-8328, 800-933-7223 ext. 8328
lbreiden@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243

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. A0717 - DESLT (08/20)

Train to become a highly skilled diesel technician in one of the finest facilities in the entire region: the Crete Carrier Diesel Technology & Welding Center. We teach best practices of industry and technical training in all phases of light, medium and heavy over-the-road truck repair.

SCC is the Right Choice

- The Cooperative Experience course is a 5-credit-hour Summer course that places students in an approved business where they receive valuable experience on customer projects and industry training for the most modern types of vehicles. Students receive a wage for the minimum 300 work hours on-the-job, and many will work at their job site throughout the summer.
- Students will spend about 75% of their time in the lab and 25% in a classroom setting.
- We receive requests for skilled diesel technicians almost daily. Our graduates also find employment in construction equipment, railways, aerospace, and manufacturing. Students who make a commitment to master fundamental technical skills, interpersonal relationships and a solid work ethic have tremendous opportunities in the diesel service and repair industries.
- Careers in diesel trucking industries offer a variety of challenging and rewarding opportunities. Graduates can specialize in electrical/electronic systems, power trains, suspension, braking, hydraulics systems and, of course, engine/fuel systems. Many students choose to be masters of all truck systems to personally handle any customer concern.
- Our program has been accredited by Automotive Service Excellence for the last 25 years, and all instructors are ASE certified in their areas of expertise.



New state-of-the-art facilities include:

- Contamination control measures for machinery and technicians
- A wash bay large enough to accommodate a combine harvester with duals or semi-tractor for contamination control
- Spill control and used fluid/filter recycling, plus new hydraulic and engine oil dispensed through a closed system
- Floor scrubber operation for all work areas
- Combined classroom/lab spaces for component studies
- Large-screen interactive media stations are displayed in lab spaces for in-house or worldwide connectivity with training resources
- State-of-the-art welding training center supports numerous programs on the Milford Campus



Top Career Options

- Diesel Technician
- Construction Equipment Technician

Graduate Earnings

Recent graduates report an average starting salary of \$41,912 per year.



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.

2020-2021 Resident Estimated Expenses

Tuition/Fee Rate Per Credit Hour	\$111
Resident Tuition/Fees	\$7,936.50
Books	\$1,690
Supplies	\$350
Tools	\$4,571
Special Fees	\$35
Uniforms	\$100
Total:	\$14,682.50
Non-Resident Tuition/Fee Rate Per Credit Hour	\$132
Non-Resident Tuition/Fees	\$9,438

Diesel Technology-Truck Program - Required Basic Tool List

Students are required to use approved eye protection 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

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 PB39L or equivalent)
- 1 Cotter Pin/Seal Puller (Snap-On® #S59094B or equivalent)

SUPPLIES:

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

Program shirt (sport or polo) and sponsoring employer uniform.

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.)
- 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 Cotter Pin/Seal Puller (Snap-On®#59094B 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 Service Wrench (1/4" to 3/16" square drive on one end w/1/2" to 9/16" Hex Wrench on opposite end)
- 1 Air Conditioning Thermometer
- 1 R134A Cap Tap Valve (Snap-On®ACT413 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