



Associate of Applied Science Degree

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



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. A0716 - DESLT (08/19)

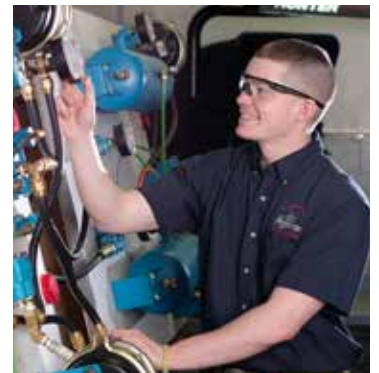
Careers in diesel trucking industries offer a variety of challenging and rewarding opportunities. Graduates can specialize in electrical/electronic systems, power trains, suspension, braking, hydraulics systems and, of course, engine/fuel systems. Many people choose to be masters of all truck systems to personally handle any customer concern. Diesel engines are used in machines that affect every part of our lives, including all types of industrial applications as well as many personal vehicles.

In the Diesel Technology-Truck program, you will be trained in all phases of light, medium and heavy over-the-road truck repair. You'll also have the opportunity to hone your skills in our new Crete Carrier Diesel Technology & Welding Center. There are tremendous employment opportunities available now and this trend will continue in the future.



It is evident that our graduate took his education at SCC very seriously. He was much more prepared directly out of school than if he had not received his education at SCC. He was more 'work ready' and required less on-the-job training.

- Joel Kaup, Service Manager
Truck Center Companies – York



Top Career Options

- Diesel Technician
- Mechanic
- Surface Maintenance Technician



Graduate Earnings

Recent graduates report an average starting wage of \$17.55 per hour.

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



Education Foundation

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.

2019-2020 Tuition/Fee Rate Per Credit Hour
Nebraska Resident \$108
Out-of-state tuition/fee rate \$129

Estimated Expenses

Tuition/Fees	\$ 7722
Books	1690
Special Fees	350
Tools/Supplies	5018
Total:	\$14,780

General Education

Requirements

Contact your program advisor to select general education courses from each category which will meet your program's graduation requirements. See the General Education pages for a complete list.

(One class from each area below.)

Oral Communications	3.0
Written Communications	3.0
Critical Thinking & Problem Solving	4.0
PHYS1150 - Descriptive Physics	

(Plus two classes from the three areas below; no two classes from the same area.)

Global Awareness and Citizenship, Analytical, Quantitative and Scientific Reasoning, and/or Career and Life Skills.
See catalog for eligible classes. **6.0**
16.0 hours

Diesel Technology - Truck

Courses

Course offerings and prerequisites will be determined by the program. A grade of "C" or higher in all DESL classes is required to progress through the program.

Course #	Course title	Credit hrs
DESL1110	Diesel Truck Fundamentals	4.0
DESL1130	Electrical Systems I	4.5
DESL1150	Fuel Systems & Electronic Controls	3.0
DESL1210	Diesel Engines I	5.5
DESL1220	Fuel Systems II	1.5
DESL1240	Hydraulics & Braking Systems	6.0
DESL1901	Cooperative Experience	5.0
DESL2410	HVAC	3.5
DESL2430	Steering and Suspension	3.5
DESL2450	Power Trains	6.0
DESL2510	Automatic Transmissions & Preventative Maintenance	6.0
DESL2530	Electronics & Engine Diagnostics	6.0
WELD1190	O/A and GMAW Welding	1.0
		55.5 hours

Students are required to provide or purchase a basic tool set during the first semester.

Students are required to wear program shirts while in classroom or laboratory settings. Shirts may be purchased in the SCC Campus Store.

This program is affiliated with ASE.



Basic Tools for Diesel Technology-Truck Program

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

TOOL BOX

- 1 - Tool Box -lockable (**max.size: 30" wide X 18"tall X 12" deep**)

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")

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

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")

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

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)

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

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