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

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.

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Credit Hours Required for Graduation: 71.5

Associate of Applied Science Degree

Top Career Options
- Diesel Technician
- Mechanic
- Surface Maintenance Technician

Graduate Earnings
Recent graduates report an average starting wage of $17.55 per hour.
**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. 16.0 hours

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### Diesel Technology - Truck

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
DESL111 Diesel Technology Fundamentals 4.0
DESL1120 Electrical Systems I 4.5
DESL1150 Fuel Systems & Electronic Controls 3.0
DESL1210 Diesel Engines I 5.5
DESL1220 Diesel Engines II 4.5
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

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.

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### 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

- **Sockets & Wrenches**
  - 1/4" Drive Socket Set (1/4" to 1/2")
  - 6-point, including Ratchet, Short Extension & Drive Handle & Universal Joint
  - 3/8" Drive Socket Set (3/8" to 7/8")
  - 12-Point, including Ratchet, 3" & 6" Extensions, Flex Handle, Speed Handle and Universal Joint
  - 1/8" to 1/4" Adapter
  - 5/32" to 3/8" Hex Drive Socket Set
  - 1/4" Drive Socket Set (3/8" to 1/2")
  - 1/2" Drive Deep Well Sockets, Shallow 6-point to 3/4" to 1/4" Drive Metric 6-point Sockets (5-14mm)

- **Cutting Tools**
  - 10" Vise Grip Longnose Pliers (12" minimum)
  - 6" Snip Pliers
  - 6" Vise Grip Pliers (12" minimum)
  - 1" Flat-Nose Snap Ring Pliers - narrow tip
  - 1" Flat-Nose Snap Ring Pliers - wide tip

- **Hand Tools**
  - Allen Wrench Set
  - Combination Wrench Set
  - 10" Ball Peen Hammer
  - 12" Dial Indicator w/Magnetic Base
  - 6" O-Ring Wrench
  - 1" Ratchet

- **Pneumatic Tools**
  - Cordless Drill/Driver (1/4" or 3/8"
  - 1" Drill Bit (17/32" - 3/8"
  - 1" Jaw Stop Ratchet
  - 1" Drive Impact Wrench (3/8"
  - 3/8" Drive Metric Socket Set (8mm to 1/2"

- **Supplies**
  - Calculator (4-function), Padlock for tool box, Arc Welding Gloves, and Electronic Test Kit (80265155) in the Campus Store.

#### 2nd Semester

- **Sockets & Wrenches**
  - 1/4" Drive Socket Set (1/4"
  - 6-point, including Ratchet, Short Extension & Drive Handle & Universal Joint
  - 3/8" Drive Socket Set (3/8"
  - 12-Point, including Ratchet, 3" & 6" Extensions, Flex Handle, Speed Handle and Universal Joint
  - 1/8" to 1/4" Adapter
  - 5/32" to 3/8" Hex Drive Socket Set
  - 1/4" Drive Socket Set (3/8"
  - 1/2" Drive Deep Well Sockets, Shallow 6-point to 3/4" to 1/4"

- **Cutting Tools**
  - 10" Vise Grip Longnose Pliers (12" minimum)
  - 6" Snip Pliers
  - 6" Vise Grip Pliers (12" minimum)
  - 1" Flat-Nose Snap Ring Pliers - narrow tip
  - 1" Flat-Nose Snap Ring Pliers - wide tip

- **Hand Tools**
  - Allen Wrench Set
  - Combination Wrench Set
  - 10" Ball Peen Hammer
  - 12" Dial Indicator w/Magnetic Base
  - 6" O-Ring Wrench
  - 1" Ratchet

- **Pneumatic Tools**
  - Cordless Drill/Driver (1/4" or 3/8"
  - 1" Drill Bit (17/32" - 3/8"
  - 1" Jaw Stop Ratchet
  - 1" Drive Impact Wrench (3/8"

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**Tools and Equipment**

- Basic Tools for Diesel Technology-Truck Program
- General Education Requirements
- Diesel Technology - Truck Courses
- Supplies

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