Careers in the agricultural equipment service industries offer a variety of challenging and rewarding opportunities. Get the education and hands-on training you need for a career as an ag equipment diesel technician. Graduates can specialize in electrical/electronic systems, precision farming, HVAC, harvesting, planting, hydraulics, power trains and of course, engine/fuel systems. Many people choose to be masters of all agricultural equipment systems to personally handle any customer concern. You’ll receive comprehensive training in all ag equipment systems during the program. 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 with dealerships, independent shops, farming operations and many more. This course of study utilizes industry-sponsored equipment, tools and resources that are typical of modern dealership service requirements.

Orr SCC graduate is a great addition to our team. We will continue to invest in him and give him opportunities of increasing responsibility in an effort to grow him personally and professionally. He will receive on-the-job training to enhance and master the skills he received at SCC.

Lucas Scheibe, Manager
Butler Ag Equipment

Top Career Options
• Ag Equipment Technician

For more information contact:
Lester Breidenstine, Program Director
402-761-8328, 800-933-7223 ext. 6328
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.

Credit Hours Required for Graduation:
Associate of Applied Science Degree: 70.5

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

Estimated Expenses
Tuition/Fees $7614
Books 2245
Special Fees 350
Tools/Supplies 6196
Total: $16,405

Recent graduates report an average starting wage of $20.45 per hour.

2019-20 PROGRAM OF STUDY

Milford Campus
www.southeast.edu/DieselAgEquipment
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.

(Done class from each area below)
Oral Communications 3.0
Written Communications 3.0
Critical Thinking & Problem Solving 4.0
PHYS1550 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-Ag Equipment Service Tech Courses
Course offerings and prerequisites will be determined by the program. A grade of "C" or higher in all AGST classes is required to progress through the program.

Course # Course title Credit hrs.
AGST1110 Shop Process & Safety/Power Trains 4.0
AGST1130 Electrical Systems I 3.5
AGST1140 Electrical Systems II & Fuel Systems I 3.5
AGST1220 Electrical Systems III 3.5
AGST1240 HVAC 3.5
AGST1260 Hydraulic Systems 5.0
AGST1901 Cooperative Experience 5.0
AGST2410 Diesel Engines I 6.0
AGST2420 Engine Overhaul and Inspection 5.5
AGST2430 Spraying Equipment, Precision Guidance & Control Systems 2.0
AGST2510 Power Trains II 4.0
AGST2520 Planting & Seeding Systems 3.5
AGST2530 Harvesting Systems 4.5
WELD1190 OA & GMAW Industrial 1.0
54.5 hours

Supplies: (Calculator 4-function, Padlock for tool box, Arc Welding Gloves, and Electrical Test Kit (80265715) in the Campus Store.

Basic Tools for Diesel-Ag Equipment Service Technology 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 - Hearing Protection (Ear muffs of Ear canal plugs)
- 1 - Hand-eye protection (2-4" Band Glasses)
- 1 - Hearing Protection (Ear muffs of Ear canal plugs)
- 1 - Safety Toe Boots or Shoes

TOOL BOX
- 1 - Tool box (lockable: max. size: 20" 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 Gap – Standard Ignition
- 1 - Wire Type Spark Plug Gap – Electronic Ignition
- 1 - Electrical Test Lead Kit 802 651 151
- 1 - Jumper Kit #80265715
- 1 - Penlight

PLIERS
- Combination Pliers
- Needle Nose Pliers
- Diagonal Pliers
- Water Pump or Channel Lock Pliers (12" minimum)
- Vise Grip Pliers w/Cutter
- 6" Vise Grip Longnose Pliers
- Vise Grip Pliers w/Cutter
- Flat-Nose Snap Ring Pliers – narrow tip
- Flat-Nose Snap Ring Pliers – wide tip

HAND WRENCHES
- Allen Wrench Set-English
- Metric Allen Wrench Set
- Ignition Wrench Set (1/2" - 3/8" range)
- Combination Wrenches (3/8" to 11/4"

CUTTING TOOLS
- Hackawse w/Blades
- 10" Half Round File w/Handle
- 10" Single Cut Mill bastard File w/Handle
- 8" x 5/16" Round File w/Handle
- Flat File
- Gasket Scraper

HAMMERS
- Short Handle Machine Hammer – 4 or 5 lb.
- Ball Peen Hammer
- Kompatane "Dead Blow" Hammer, 2 or 3 lb.

PRYING TOOLS
- "O" Ring Tool
- Rolling Head Bar (6" to 20"

2nd Semester
PPE
- Students are required to use safety-toe boots or shoes while participating in lab and during cooperative education/Internship.

PLIERS
- Set of 4 Internal/External Snap Ring Pliers. Tip Diameters: .038, .047, .070, .090

HAND WRENCHES
- 6 Point Flare Nut Wrench 1/4" - 5/16"
- 6 Point Flare Nut Wrench 3/8" - 7/16"
- 6 Point Flare Nut Wrench 1/2" - 9/16"
- 6 Point Flare Nut Wrench 5/8" - 3/4"
- Metric Combination Wrench Set

MEASURING
- 1 - Tire Pressure Gauge (500psi capacity)

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

TOOL BOX CONTENTS
- 1 - 3/8" Drive Torque Wrench (5lb. to 75 lb. ft.)
- 1 - 1/2" Torque Wrench (150 lb. ft. minimum)
- 1 - 3/8" Drive 3/4" Flare Nut Socket – Snap-On® PTKM241
- 1 - 3/8" Drive 3/8" Flare Nut Socket – Snap-On® PTKM17
- 1 - 3/8" Drive Metric Socket Set (6mm to 19mm)
- 1 - 1/4" & 3/8" Drive Torx Drivers (T-8 to T-15)
- 1 - 1/4" & 3/8" Drive Torx Drivers (T-20 to T-55)
- 1 - 1/4" & 3/8" Drive Torx Drive (8T to 15T)
- 1 - 1/4" & 3/8" Drive Torx Drive (18T to 30T)
- 1 - 1/4" & 3/8" Drive Torx Drive (32T to 55T)
- 1 - 1/4" & 3/8" Drive Torx Drive (55T to 75T)

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

Screwdrivers
- 1 - Slotted Screwdriver
- 1 - Phillips Screwdriver

Sockets & Hex Wrenches
- 1 - 3/8" Drive Deep Socket Set
- 1 - 1/2" Drive Deep Socket Set
- 1 - Angle Head Open End Wrench Set
- 1 - Angle Head Open End Wrench Set
- 1 - Metric Hex Head Open End Wrench Set
- 1 - 1/2" Drive Deep Socket Set
- 1 - 1/2" Drive Deep Socket Set
- 1 - Air Hammer Set, Medium Duty (Snap-On® PH2406AGC or equivalent)
- 1 - Bushing Driver Set (Snap-On® S4BT or equivalent)
- 1 - Sliding Hammer (Snap-On® PG250 or equivalent)
- 1 - Air-Conditioning RJ-134A Gauge
- 1 - Creeper
- 1 - 3/8" Drive Impact Swivel Socket Set (3/8" to 9/16")

Diesel-Ag Equipment
SCC is the Nebraska AGCO Advantage College with "Dealer Technician Development." SCC also is a Case New Holland Agricultural & Industrial partnership program. We still continue serving all brands of ag equipment industries in our 15-county service area.

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