Skilled diesel technicians are in high demand! Employers contact SCC almost daily, seeking graduates who are needed now! The demand for qualified technicians will continue as long as agricultural equipment is sold, used and requires service or repair. SCC has a long tradition of providing students with skills that allow them to start as service technicians and continue to learn new skills as they grow within the business.

**SCC is the Right Choice**

Our brand-new Crete Carrier Diesel Technology & Welding Center is one of the finest facilities in the entire region and includes classrooms and labs to teach industry best practices and technical training.

- Our program graduates find employment in construction equipment, railways, aerospace, and manufacturing industries.
- You’ll participate in a cooperative experience and gain 300 on-the-job work hours at a modern service and repair business as part of a summer course. You’ll learn valuable technician and safety training on live customer projects in a real-world situation.

**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**

- Ag Equipment Technician
- Construction Equipment Technician

**Graduate Earnings**

Recent graduates report an average starting salary of $36,712 per year.

**Additional certifications available:**

- Lift Truck Operator certification.
- A/C Refrigerant Handling certification.

**2020-2021 Resident Estimated Expenses**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Tuition/Fee Rate Per Credit Hour</td>
<td>$111</td>
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<tr>
<td>Resident Tuition/Fees</td>
<td>$7,825.50</td>
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<tr>
<td>Books</td>
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<td>Supplies</td>
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<td>Tools</td>
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<tr>
<td>Special Fees</td>
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<tr>
<td>Uniforms</td>
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<td>Total</td>
<td>$16,401.50</td>
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<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Non-Resident Tuition/Fee Rate Per Credit Hour</td>
<td>$132</td>
</tr>
<tr>
<td>Non-Resident Tuition/Fees</td>
<td>$9,306</td>
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</table>
Students are required to use approved eye protection and safety-toe boots or shoes during all lab activities and while participating in Cooperative Education/Internship.

### TOOL REQUIREMENTS FOR 3RD & 4TH SEMESTERS

**Diesel-Ag Equipment Service Technology Program - Required Basic Tool List**

**1ST SEMESTER**

**PPE (PERSONAL PROTECTIVE EQUIPMENT)**

- **+*1** Safety Eyewear (2-67 Approved)
- **+*1** Hearing Protection (Ear muffs of Ear canal plugs)
- **+*1** Pair Safety Toe Boots or Shoes

**EDUCATION/INTERNSHIP.**

**2ND SEMESTER**

**PPE**

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

**TOOL CART**

- 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 Spark Plug Gage – Standard Ignition
- **1** Wire 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

**HAND WRENCHES**

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

**SOCKET WRENCHES**

- **1** 1/4" Drive Socket Set (1/4" to 2")
- **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)

**HAND TOOLS**

- **1** 2" Torque Wrench
- **1** 10" Flathead Screwdriver
- **1** 10" Square Head Screwdriver
- **1** 10" Screwdriver Set
- **1** 15" Screwdriver Set
- **1** 1/2" Drive Impact Wrench
- **1** 1/2" Drive Deep Well Socket Set (6mm to 19mm)
- **1** 1/2" Drive Metric Deep Socket Set (10mm to 20mm)
- **1** 3/4" to 1/2" Adapter
- **1** 1/2" to 3/8" Adapter
- **1** Air Hammer Set
- **1** Air Hammer, Medium Duty (Snap-On® PH520CGCH4 or equivalent)
- **1** Bushing Driver Set (Snap-On® #B457C or equivalent)
- **1** Sliding Hammer (Snap-On® PHCJC250 or equivalent)
- **1** 1/2" Drive Impact Wrench Set (3/8" to 1/2"

**PRYING TOOLS**

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

**MEASURING**

- **1** 0 to 1" Micrometer (Non-Digital)
- **1** 0.0015" - 0.030" 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** 3/8" Flat Tip Screwdriver
- **1** 1 1/2" 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, 3/4" Long (Snap-On® #SST02240 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** 1/8" Starting Punch
- **1** 1/4" Starting Punch
- **1** 3/8" Cold Chisel
- **1** 1/2" Cold Chisel
- **1** Bearing Punch Set (MAC P039L or equivalent)
- **1** Cotter Pin/Seal Puller (Snap-On® #559094B or equivalent

**SUPPLIES:**

*Calculator (4-function), Padlock for tool box, Arc Welding Gloves, and Electrical Test Kit (SNB0265115) in the Campus Store. Program shirt and sponsoring employer uniform.

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**TOOL REQUIREMENTS FOR 3RD & 4TH SEMESTERS ARE THE SAME AS THOSE REQUIRED FOR 1ST & 2ND SEMESTERS. THE FOLLOWING TOOLS ARE OPTIONAL:***