

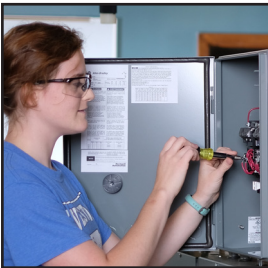
2021
2022

YOUR FUTURE. YOUR CHOICE.

www.southeast.edu/ElectricalElectromechanical

CHOOSE YOU!

STEM



A career in the electrical industry has many exciting opportunities!

Electricians install, connect, test, and maintain electrical systems for residential, commercial and industrial systems, as well as maintain components for climate control, security and communications.

Electromechanical technicians visualize, design, create, and repair the many devices that are used throughout the industrial-manufacturing world by combining their electrical and mechanical backgrounds.

Train at SCC to become a skilled electrical and electromechanical technician, where our graduates are in high demand. SCC graduates have an outstanding reputation with employers, and you will have flexible career options.

SCC is the Right Choice

- Most projects you'll work on are based on real-world applications seen in industry today, not simulated environments.
- Students will gain skills in welding, hydraulics and automated machining.
- Robotics and automated control systems are a large part of industry, and you'll receive many hours of training in these areas.
- A large number of careers our graduates go into are in the high-wage, high-demand, high-skill area.
- Program is designed for 50% classroom and 50% lab experience.

» Career Options

- Apprentice Electrician
- Automation Engineering Technician
- Electromechanical Technician
- Robotics Technician
- Substation Technician

Recent Graduates

report a
yearly average
starting salary of

\$44,512

Electrician Construction-IBEW Option

If you would like to "Earn While you Learn," please consider the Electrician Construction program, a Department of Labor registered apprentice program.

Accepted apprentices earn college credit which can be used toward an associate of applied science degree at SCC. The curriculum is delivered over a five-year period and includes classroom/lab courses along with On-the-Job Co-op courses.

Students interested in this program must first be accepted by the Lincoln Electrical Joint Apprenticeship and Training Center for apprenticeship. Students interested can apply at: <http://lincolnelectricaljadc.org>.

This apprenticeship opportunity is a partnership between SCC, the JATC the International Brotherhood of Electrical Workers-Local 265-Lincoln and the Nebraska Chapter of the National Electrical Contractors Association.

Credit hours required for graduation:

Electrical and Electromechanical Technology - Automation Focus

»Associate of Applied Science64.5

Electrical and Electromechanical Technology - Electrical Focus

»Associate of Applied Science62

Electrical and Electromechanical Technology - Electromechanical Focus

»Associate of Applied Science 61.5

Electrical Construction - Residential Electrical Construction

»Certificate 23



Scan this code to access the course listing

For more information contact:

Jeff Ives, Program Director
402-761-8274, 800-933-7223 ext. 8274
jives@southeast.edu

or the Admissions Office at
402-437-2600
admissions@southeast.edu

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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 to this publication during the life of the publication and without notice.

A0722 - ELM (07/21)

2021-2022 estimated expenses to graduate with an award of 61.5 credit hours.

Resident	
Tuition/Fee Rate Per Credit Hour	\$114
Resident Tuition/Fees	\$7,011
Books	\$1,400
Supplies	\$200
Tools	\$800
Total:	\$9,411
Non-Resident	
Tuition/Fee Rate Per Credit Hour	\$135
Non-Resident Tuition/Fees	\$8,302.50

Electrical & Electromechanical - Basic Tool & Supply List

You can also pre-order tool kits from the Campus Store.

1ST SEMESTER TOOLS FOR ELECTRICAL/ELECTROMECHANICAL/AUTOMATION

- Safety glasses
- (2) Large binders
- 10 square graph paper pad
- El-506 Calculator
- USB drive 16GB
- Oscillogram paper pad

ELECTRICAL

- 3mm x 100mm screwdriver
- Wire stripper
- Multimeter (see program director)
- Phillips #2 screwdriver with 4" shank
- Standard screwdriver 3/16" x 6" shank
- 6" needle-nose pliers with plastic dipped handles
- Tool box or tool pouch with belt (optional for automation students)
- Aluminum torpedo level with magnetized strip on bottom
- Steel locking tape (3/4" x 25' minimum)
- Electricians pocket knife or utility knife
- Hammer (heavy duty curved claw)
- 10" adjustable jaw wrench (with plastic dip handles)
- 10" water pump pliers (with plastic dip handles)
- 6 3/4" diagonal cutters (with plastic dip handles)
- 9 1/4" high leverage lineman plier (with plastic dip handles)
- Standard screwdriver 5/16" blade with 6" shank
- 1/2" / 3/4" conduit reamer
- Hard sole shoes
- Hard Hat
- Architecture Ruler

ELECTROMECHANICAL

- 3mm x 100mm screwdriver
- Wire stripper
- Multimeter (see program director)
- Phillips #2 screwdriver with 4" shank
- Standard screwdriver 3/16" x 6" shank
- 6" needle-nose pliers with plastic dipped handles
- Tool box or tool pouch with belt (optional for automation students)
- Head gear (skull cap)
- Green Lens
- Arc welding helmet
- Welding gloves
- Pliers
- Chipping hammer/wire brush
- Wire cutters
- (2) F pencils
- (2) HB pencils
- Portable tool chest
- 1/2" or 3/8" socket set (1/4" through 3/4")
- 10" ratchet for the above socket set
- 5" extension for the above socket set
- 10" and 8" adjustable wrench
- 7 piece combination wrench set-standard
- Standard tip screwdriver- 5/16" with 6" shank
- Phillips screwdriver- size #1
- Locking tape (1/2" x 12' minimum)
- Hex key set (5/64" through 3/8")
- 6 3/4" slip joint pliers
- 7 3/4" curved diagonal cut pliers
- 10" locking pliers (straight or curved jaw)
- 1 1/2 lb standard deadblow hammer
- 16 oz ball peen hammer
- 5 piece punch set (1/16" through 5/32")
- Utility knife

AUTOMATION

- 3mm x 100mm screwdriver
- Wire stripper
- Multimeter (see program director)
- Phillips #2 screwdriver with 4" shank
- Standard screwdriver 3/16" x 6" shank
- 6" needle-nose pliers with plastic dipped handles
- Tool box or tool pouch with belt (optional for automation students)
- Circuit breadboard
- Standard Allen key set (1/16" through 1/4")