

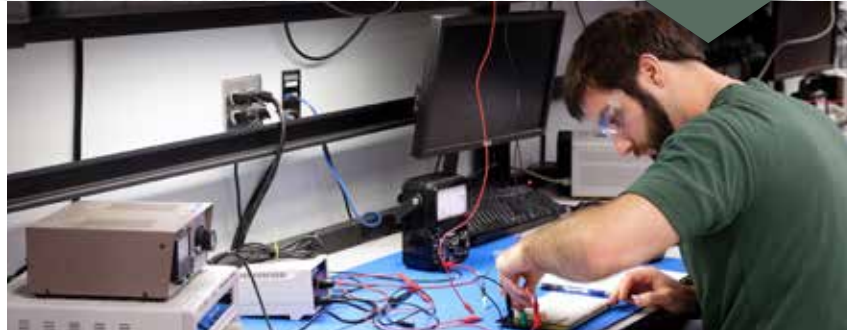


ELECTRONIC SYSTEMS TECHNOLOGY

Associate of Applied Science Degree

LINCOLN CAMPUS

www.southeast.edu/GoEST



Get ready for a variety of career opportunities, including industrial and personal networking, robotics, automation systems, avionics, biomedical, communications, and many other commercial electronic systems, as well as non-commercial, personal systems. A degree in Electronic Systems Technology can open a variety of exciting, stable and lifelong career opportunities with great salaries and benefits.

Activities are designed to prepare technicians by having most classes with 50 percent theory and 50 percent lab to develop the skills necessary to be successful in the field of choice.

Types of jobs available:

- Audio Technician
- Avionics Technician
- Car Stereo Installer/Repairer
- Electronic Systems Designer
- Engineering Assistant
- FAA Electronic Technicians
- Field Service Technician
- Home Theater Installer/Repairer
- Industrial Automation Technician
- Network Administrator
- Network Technician
- PC Support Technician
- Radio/TV Broadcast Engineer
- Robotics Technician
- Security Systems Technician
- Studio Technician
- Technical Manager
- Telephone Technician
- Telemetry Technician
- Two-way Radio Installer/Repairer
- Video Technician



Graduate Earnings

Recent graduates report an average starting salary of \$37,232 per year plus benefits.

"My professional career is advancing rapidly. I have to thank SCC for providing the foundation that made this possible. Thanks!"

*Adam Neuhaus, Software Engineering Test Lead
EF Johnson Technologies, Lincoln, NE*

For more information contact:

Mike Aalberg, Program Chair
402-437-2658, 800-642-4075 ext. 2658
maalberg@southeast.edu

or the College Admissions Office
Lincoln 402-437-2600, 800-642-4075 ext. 2600



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. A0719 - EST (05/16)

First Quarter

- ELEC1100** Introduction to Electronic Engineering
- ELEC1129** Engineering Electronics I
- BSAD1010** Microsoft Applications I
General Education Requirement

Second Quarter

- ELEC1219** Engineering Electronics II
- ELEC1227** Digital Circuits
- MATH1050** Thinking Mathematically
General Education Requirement

Third Quarter

- ELEC1317** Active Devices
- ELEC1482** Advanced Digital Circuits
General Education Requirement (2)

Fourth Quarter

- ELEC1422** Analog Circuits
- ELEC2530** Microprocessor Applications
- ELEC2760** Introduction to Networks (CCNA1)
General Education Requirement

Fifth Quarter

- ELEC2519** Communications Systems
- ELEC2570** Audio Systems
- ELEC2761** Routing and Switching Essentials (CCNA2)
- ELEC2863** Programmable Logic Controllers in
Automation Systems

Sixth Quarter

- ELEC2640** Advanced Communications Systems
- ELEC2750** Video Systems
- ELEC2753** PC Operating Systems & Hardware
- ELEC2860** Scaling Networks (CCNA3)

Seventh Quarter

- ELEC2735** Advanced Microprocessor Applications
- ELEC2853** Fluid Power and Robotics
- ELEC2861** Connecting & Securing Networks (CCNA4)
- ELEC2755** Structured Programming for Electronic
Technicians

Eighth Quarter

- ELEC2823** Network Operating Systems & Administration
- ELEC2864** Advanced Programmable Logic Controllers in
Automation Systems
- ELEC2883** Robotics and Vision Systems

**Classes are offered in two convenient time blocks
to make planning your schedule easier!**

8 a.m. - Noon
begins each fall

6 - 10 p.m.
begins each winter

Choose the time frame that works best for you!

Estimated Expenses

To determine overall costs, students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

Nebraska Resident tuition rate is \$61.50 per credit hour. Out-of-state tuition rate is \$75.50 per credit hour.

Student fee is \$1.50 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken.

ELECTRONIC SYSTEMS TECHNICIAN FOCUS

6-8 quarters to complete

Approx. 18.5-23 credits per quarter

Average Tuition & Fees

per quarter \$1,166-1,449

Books 1,020

Tools & Supplies 676

Certifications 65

Total Estimate \$9,636

COMPUTERS, AUTOMATION & NETWORKING SYSTEMS FOCUS (CANS)

Approx. 8-10 quarters to complete

Approx. 18.5-23 credits per quarter

Average Tuition & Fees

per quarter \$1,166-1,449

Books 1,411

Tools & Supplies 676

Certifications 65

Total Estimate \$12,484

ELECTRONIC SYSTEMS MILITARY FOCUS

107 credits to graduate

47-77 credits to be taken at SCC

Remaining credits transferred from
Military Service

Approx. 3-5 quarters to complete

Approx. 16 credits per quarter

Average Tuition & Fees

per quarter \$1,008

Books 750-1,410

Tools & Supplies 676

Certifications 65

Total Estimate \$4,452-7,002

TOOL/SUPPLY LIST

FIRST QUARTER

- * Safety Glasses (must meet Z87 specs)
- * 2.5 inch D-type 3-Ring Binder (2)
- * Electronic Calculator- Sharp EL506W
- * USB Flash Drive
- * 1 Large Breadboard
- * Tool Box/Tool Bag

SECOND QUARTER

- * Large Breadboard (additional one)
- * Set of Colored Pencils - Nice to have but not required
- * Oscilloscope probe clips

THIRD QUARTER

- * Desoldering Braid (5 ft. roll, approx. 1/8" width)
- * #1 Small Phillips Screwdriver
- * #2 Phillips Screwdriver
- * 1/8" Blade Screwdriver
- * 3/16" Blade Screwdriver
- * Diagonal Pliers
- * Static Wrist Strap
- * Set of Nut Drivers
- * Desoldering Tool
- * Allen/Torx Head Drivers
- * Set of Small Screwdrivers
- * Fine Tip Tweezers
- * 3 Set Needle-nose Pliers
- * Wire Strippers
- * Wire Cutter
- * Fluke 115 Meter or Equivalent Digital Meter

* Items are available in bookstore at all times

