



Personality + Career

You will be successful in our *Electronic Systems Technology* program if you are a problem-solver, technically inclined, enjoy working with your hands, and taking things apart and putting them back together.

Program	Credential	What do students learn in the program?	What do students earn?	Career Opportunities	Are graduates prepared for/to complete exams for specific credentials/licensing/certifications at the end of the program?
Electronic Systems Technology - Electronic Systems Technician	Associate of Applied Science	Students gain an in-depth knowledge of electrical concepts, including DC and AC circuits. Additionally, students learn to operate, wire and troubleshoot three-phase motor and control circuits and install and maintain data communication, security/fire alarm, and telephone systems. Students learn about digital systems, power supplies, and advanced knowledge of electrical circuits.	\$21.95 per hour; \$45,656 per year. (salary listed is an average for all credentials)	Avionics Bench Technician Bench Tech 1 Installation Technician Service Technician Software Engineering Tech Technician	Students are prepared to take the Certified Technology Specialist exam after completing Audio Video Solutions (ELEC 2040). See footnote*
Electronic Systems Technology - AVD/Low Voltage Systems	Associate of Applied Science	Student learn about A/V systems, site surveys, design, integration, and maintenance. Students also learn to install and maintain low-voltage systems such as fire, security, and nurse call systems and will learn commercial installation and wiring standards as well as how to build and configure networks, routers, and switches. Students will also gain in-depth knowledge of electrical concepts, including DC and AC principles.	\$21.95 per hour; \$45,656 per year. (salary listed is an average for all credentials)	Low Voltage Technician	Students are prepared to take the Certified Technology Specialist exam after completing Audio Video Solutions (ELEC 2040).
Electronic Systems Technology - AVD/Low Voltage Systems	Certificate	Students gain knowledge and skills for a career in the low voltage industry. Students will learn to troubleshoot, install/set up, program, and design low voltage systems including Audio/Visual Distribution, security and access controls, fire alarms, and nurse call systems. Students learn current audio/visual practices as defined by AVIXA Certified Technology Specialist (CTS) standards and current installation standards as defined by the BICSI organization.	\$21.95 per hour; \$45,656 per year. (salary listed is an average for all credentials)	Low Voltage Technician	Students are prepared to take the Certified Technology Specialist exam after completing Audio Video Solutions (ELEC 2040).
Electrical & Electromechanical Technology - Automation & Robotics	Associate of Applied Science	Students learn about AC and DC principles, transformers and three-phase systems, and programmable logic controls. Students in this focus learn about the programming and interfacing of industrial automation equipment. Students will learn to use and program programmable logic controllers, robotics, variable frequency drivers, vision systems, and other industrial devices.	\$23.55 per hour; \$48,984 annually	Automation System Technician Controls Installation Technician Controls Maintenance Technician	N/A

*Certifications are not required, but SCC encourages and gives students the opportunity to obtain certification in the following while taking classes:

- INARTE Certification (without testing)
- J-STD-001 Certification (soldering and inspection of soldering)
- Network +
- CompTIA A+ International Society of Certified Electronics Technicians (ISCET)
- CISCO Certified Network Associate (CCNA)
- NCATT Aircraft Electronics Technician

» Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - southeast.edu/visit
- ▶ Explore career options with an Admissions Counselor - southeast.edu/admissionsadvising
- ▶ Apply - southeast.edu/applynow

» Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - studentaid.gov/h/apply-for-aid/afsa
- ▶ Scholarships - southeast.edu/scholarships
- ▶ Payment Plan - mycollegepaymentplan.com/southeast
- ▶ Veteran Education Benefits - southeast.edu/veterans-services
- ▶ GAP Assistance Program - southeast.edu/gap
- ▶ Children of State Teammate Tuition Reimbursement Program - southeast.edu/children-of-state-teammate-tuition-reimbursement-program

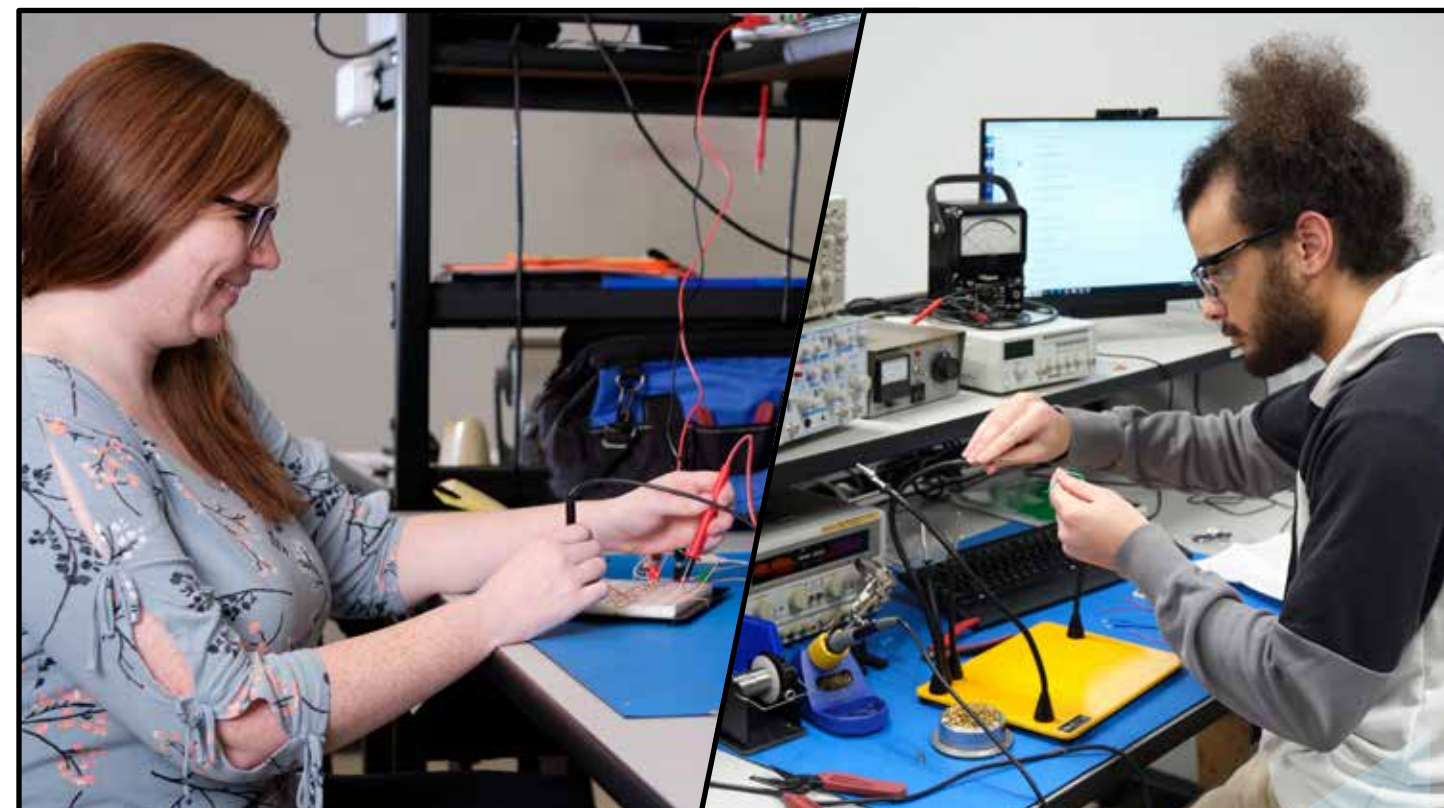


Scan this code to access the course listing

Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ admissions@southeast.edu



In *Electronic Systems Technology*, we teach you to “troubleshoot to the component-level repair,” meaning you will figure out which part of an electronic system is malfunctioning rather than simply replacing the entire device or board.

You will learn to repair, install, program, and troubleshoot systems found in many industries, including: **manufacturing** such as automation in factories and machines in the trades; **AV distribution** such as audio/visual systems; **avionics** such as communication systems, radar, and ground telemetry; **biomedical** devices such as paging, alarm, and MRIs; **security/military equipment, communication** systems such as cell phone hardware, and electrical systems found in retail/grocery, and agriculture such as irrigation and other devices. Troubleshooting skills are what employers are looking for since systems are continually evolving and advancing.

When you start in our program, our instructors assume you have no prior electronics knowledge so you begin by building basic terminology and skills and advance from there. It’s our role to teach you what you need to know and help you develop your skills. You’ll learn and become an expert by the end of the program.

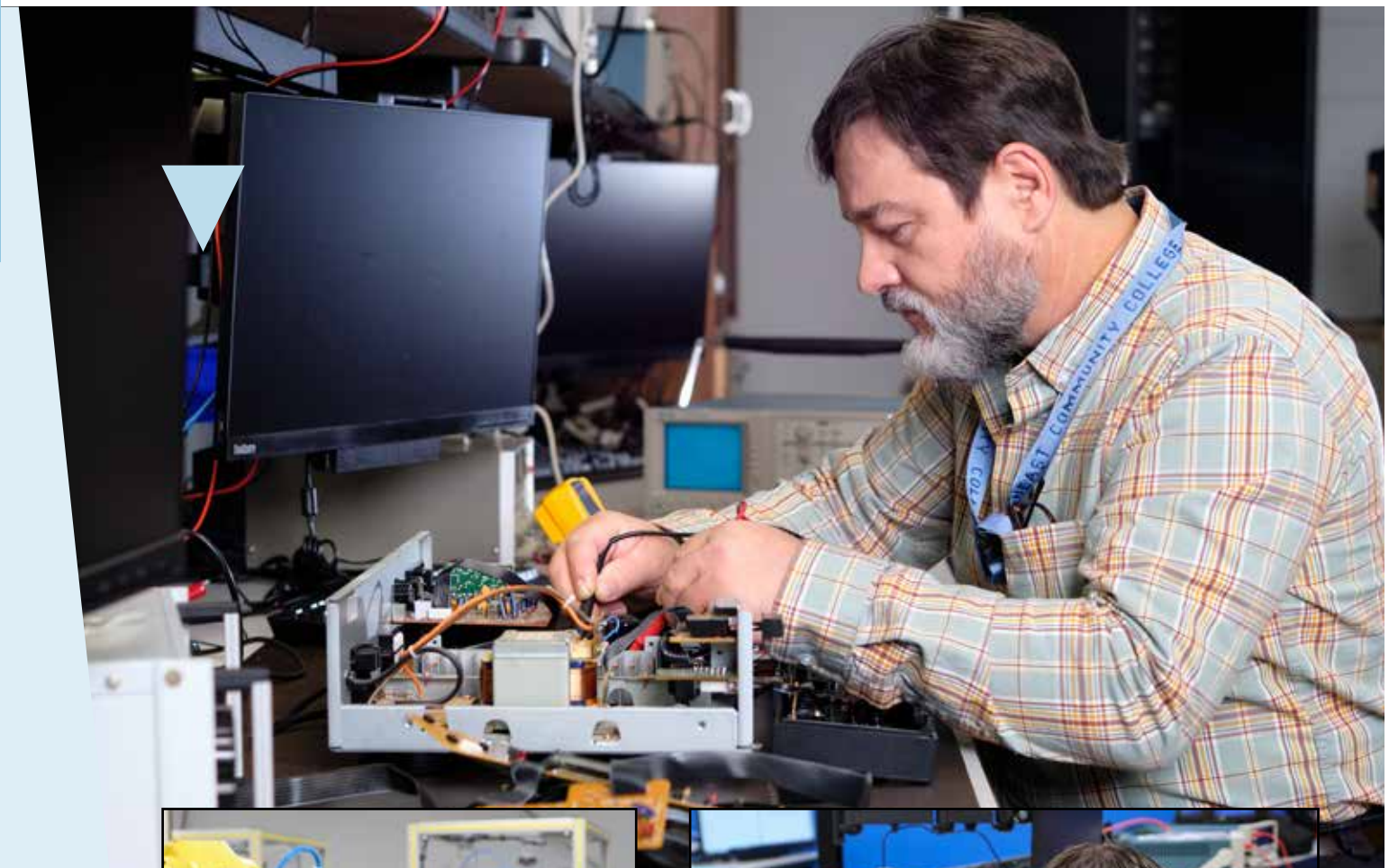
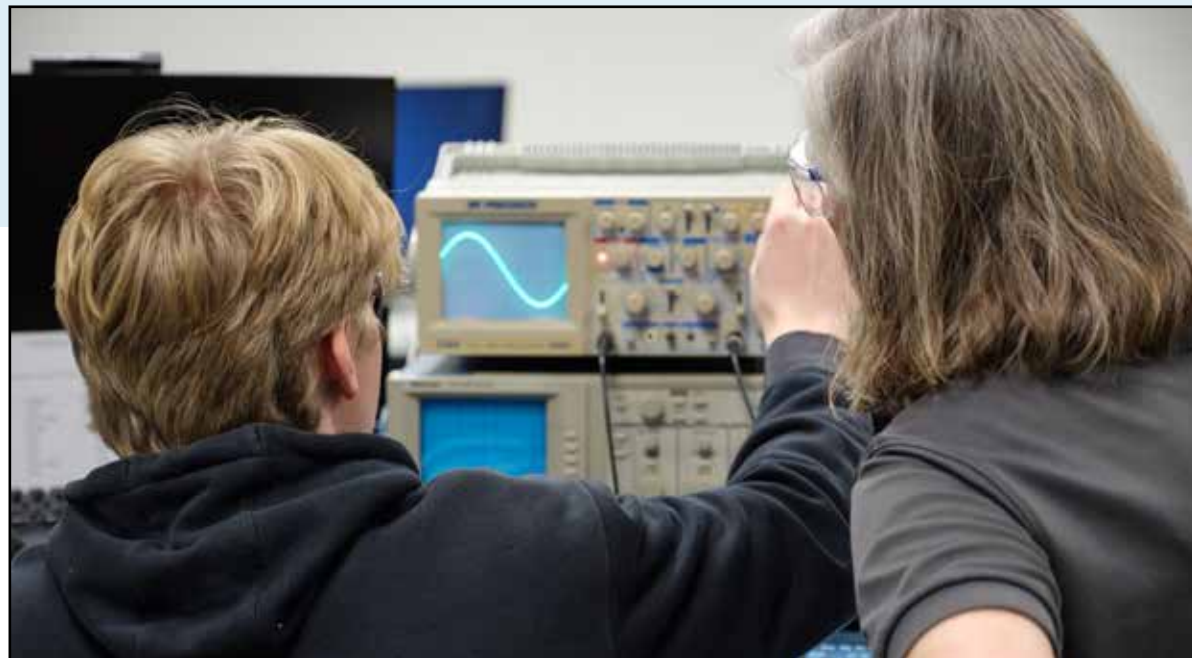
SCC offers **military students** with an electronics background and training the opportunity to apply for credit-by-waiver. Based upon the military training transcript, you and the program chair will discuss options to complete a degree with topics you have not yet mastered. Up to two-thirds of the technical courses can be transferred in.

Program Contact Information

Scott Eiland, Program Chair
402-437-2658, 800-642-4075 ext. 2658
✉ seiland@southeast.edu

The SCC Experience

- » You'll be prepared for a variety of career paths, including working on a bench as a technician repairing equipment being manufactured and/or repairing existing equipment, to traveling to different locations installing and repairing equipment.
- » The Electronic Systems Technology programs are flexible! Earn a degree when it's convenient for you. We offer day and evening courses to meet your schedule needs.
- » The programs are hands-on. You'll spend approximately 50% of your time in the lab and the other 50% in the classroom learning the theory needed to excel in the field. The hands-on experience prepares students to excel!
- » Employers recruit from this program looking for interns and apprentices hoping to hire full-time once the program is completed. Internships or apprenticeships are not required, but there are many opportunities available.



Program	Credential	Location	Credit Hours	Tuition/Fees*	Books/ Fees/ Supplies	Tools	Total Cost*	Starting Term(s)	Number of Semesters Required to Complete at Full Time Status?	Is a summer term required for FT students?	Is there an online option for students?	Can the program be completed entirely online?	Is there a Part-Time Option?	Typical Class Schedule
Electronic Systems Technology - Electronic Systems Technician	Associate of Applied Science	Lincoln	64	R - \$7,744 NR - \$9,088	\$1,516	\$88	R - \$9,348 NR - \$10,692	Fall and Spring	4	No, but students can complete general education courses during the summer term.	No	No	No	Courses are scheduled Monday - Friday between 8 a.m. - 10 p.m. Students select courses based on their schedule.
Electronic Systems Technology - AVD/Low Voltage Systems	Associate of Applied Science	Lincoln	61	R - \$7,381 NR - \$8,662	\$1,516	\$88	R - \$8,985 NR - \$10,266	Fall and Spring	4	No, but students can complete general education courses during the summer term.	No	No	Yes	Courses are scheduled Monday - Friday between 8 a.m. - 10 p.m. Students select courses based on their schedule.
Electronic Systems Technology - AVD/Low Voltage Systems	Certificate	Lincoln	15	R - \$1,815 NR - \$2,130	\$382	\$48	R - \$2,245 NR - \$2,560	Fall and Spring	1	No, but students can complete general education courses during the summer term.	No	No	Yes	Courses are scheduled Monday - Friday between 8 a.m. - 10 p.m. Students select courses based on their schedule.
Electrical & Electromechanical Technology - Automation & Robotics	Associate of Applied Science	Lincoln, Milford	62.5	R - \$7,563 NR - \$8,875	\$1,700	\$850+	R - \$10,113 NR - \$11,425	Fall and Spring	4	No, but students can complete general education courses during the summer term.	No	No	No	Courses are scheduled Monday - Friday between 8 a.m. - 10 p.m. Students select courses based on their schedule.

*R=Resident, NR=Non-resident. Costs listed are estimates and are subject to change based on the market price of books, supplies, tools, uniforms, etc. Estimated costs also include tuition and fees. Additionally, days/times of week for class, lab, clinical/practicum are subject to change based on curriculum, facilities, instructor, and site availability. Actual program schedules will be provided prior to each enrolled term.
*Please note: Tools are required for the Automation & Robotics program. Please visit the Electrical & Electromechanical Technology web page. The info sheet contains the list of tools.