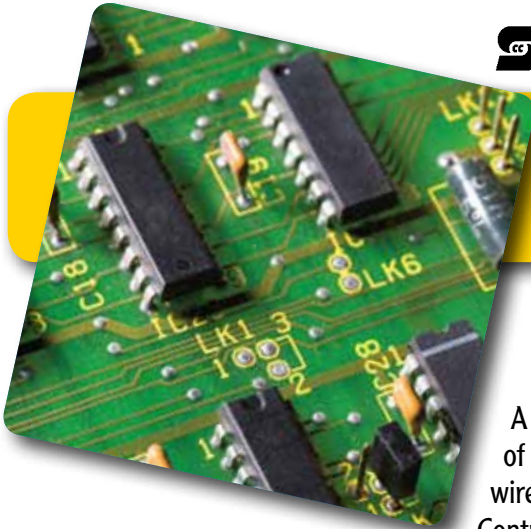


Electronic Systems Technology

Lincoln and Milford Campuses

Associate of Applied Science Degree



A focus on the installation, configuration, repair, and maintenance of networking equipment such as routers, switches and wireless. The configuration and repair of Programmable Logic Controllers, Robotics, Vision systems, and many commercial and consumer electronic systems, including computers, audio and video, AM/FM Broadcast, two-way radio communication, avionics, security, and telephony.

Graduate Earnings

Recent graduates report an average starting salary of \$35,000 per year.

Types of jobs available:

- Avionics Technician
- Broadband Technician
- Control System Engineer
- Controls Technician
- Electronic Systems Technician
- Engineering Technician
- Field Service Technician
- Industrial Automation Systems Technician
- Industrial Systems Technician
- Installation Technician
- Instrumentation and Control System Technician
- IT Systems Engineer
- Network Administrator
- Network and Telecommunication Technician
- PC Support Technician
- Press Technician
- Process Control System Specialist
- Programmer
- Railcar Finish Tester
- Robotic Support Technician
- Robotics and Automation Technician
- Security Technician
- Service Technician
- Technician
- Telecom & Network Technician
- Telecommunication Technician
- Tier 3 Technical Support Rep



277 Full-time jobs were posted from May 1, 2009–May 1, 2011 for Electronic Systems students/ alumni on SCC's Placement Center employment services Web site.

Some recent companies hiring graduates:

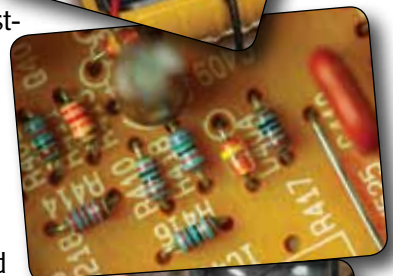
- Charter Communications
- Electronic Contracting Company
- Kawasaki Motor Manufacturing
- Sandhills Publishing
- Technical Maintenance Services
- Time Warner Cable

"Southeast Community College offers a cost-efficient, hands-on approach to education that really appealed to me. The small class sizes, specialized curriculum and student-teacher interaction contribute to an excellent learning environment. I came away with the skills, knowledge and experience to enter the workforce and build a rewarding career. My professional path has taken me many directions, and I have certainly learned and grown along the way. But it all began with the solid foundation I got from SCC. Today, in my current position as a manager, I seek the qualities that SCC graduates possess when considering additions to my staff. SCC graduates benefit from a proactive program that has adapted to new technologies to meet the needs of today's ever-changing workplace."



BRENT HAUN
Chief Engineer
KOLN/KGIN TV, Lincoln, NE
1986 Electronic Engineering Technology Graduate

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



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. (08/11)

Curriculum

Classes are offered on the Lincoln Campus during the day and night and on the Milford Campus during the day.

Lincoln and Milford Campuses

Credit Hours Required for Graduation:

- Electronic Systems Technician Focus 123.0
- Electronic Systems Military Focus 107.0
- Computers, Automation and Networking Systems Focus 156.5

Electronic Systems Technician Focus:

COURSE #	COURSE TITLE	CREDIT HRS
ELEC1129	DC Electronics	8.0
ELEC1219	AC Electronics	8.0
ELEC1227	Digital Circuits	5.0
ELEC1317	Active Devices	8.0
ELEC1362	Electronic Drafting	1.0
ELEC1422	Analog Circuits	8.0
ELEC1432	Power Supply Systems	3.0
ELEC1482	Advanced Digital Circuits	5.0
ELEC2519	Communication Systems	6.0
ELEC2530	Microprocessor Applications	6.0
ELEC2560	WiFi & RF Transmission Systems	3.5
ELEC2570	Systems Troubleshooting	6.0
ELEC2640	Advanced Communication Systems	4.5
ELEC2735	Advanced Microprocessor Applications	4.5
ELEC2750	Advanced Systems Troubleshooting	4.5
ELEC2753	PC Operating Systems	6.5
ELEC2760	Networking Infrastructure (CCNA 1)	4.5
ELEC2860	LAN Switching and Wireless (CCNA 3)	4.0
ACFS2020	Career Development	2.5
		98.5 hours

Computer Course Requirements

A minimum of 2 credit hours in word processing and spreadsheets.

Suggested courses:

INFO1117	Microcomputer Applications	2.0
	or	
INFO1121	Microsoft Word & PowerPoint and	1.5
INFO1131	Microsoft Excel	1.5
Or if considering transfer to another institution:		
BSAD1010	Microsoft Applications I	4.5
		2.0 hours

Electronic Systems Military Focus:

COURSE #	COURSE TITLE	CREDIT HRS
ELEC2099	Military Service Electronics Training	30.0-60.0*
	Technical Electives	22.5-52.5*
	General Education Requirements	22.5
	Computer Requirement	2.0
		107.0 hours

*Depends on Military Training Transcript.

The student, with approval of the program chair, will complete a set of SCC ELEC courses. The student and program chair will select courses that will enhance technical expertise.



Computers, Automation and Networking Systems Focus:

	(Electronic Systems Technician classes)	100.5
	(General Education requirements)	22.5
COURSE #	COURSE TITLE	CREDIT HRS
ELEC2755	Structured Programming for Electronic Technicians	4.5
ELEC2761	Router Implementation (CCNA 2)	4.0
ELEC2823	Network Operating Systems & Administration	9.0
ELEC2853	Hydraulics and Pneumatics	2.5
ELEC2861	Wide Area Networking (CCNA 4)	4.0
ELEC2863	PLCs and Automation	6.5
ELEC2883	Robotics and Vision Systems	3.0
		33.5 hours

General Education Requirements:

Contact your program advisor to select general education course/s from each category which will meet your program's graduation requirements.

(One class from each area below)		
Oral Communications		4.5
Written Communications		4.5
Mathematics	MATH1080 or higher	4.5
Science	PHYS1017 or PHYS1150 or PHYS1410	4.5
(Plus one class from one of the two areas below)		
Social Science or Humanities		4.5
		22.5 hours

