



## Personality + Career

Students in the Land Surveying/GIS/Civil Engineering Technology program like to solve problems and enjoy math problems. They are comfortable working indoors or outdoors, like variety, and are able to take direction and work independently on a project. Additionally, they have strong communication skills, are detail-oriented, and do neat, accurate work.

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?	Required Tools, Supplies, and Uniforms
Land Surveying/ GIS/Civil Engineering Technology	Associate of Applied Science	Students learn to use surveying instruments and equipment, how to take field notes, and taping procedures, as well as the properties of soil and basic geology related to its ability to support bridges, structures, etc. Students also learn computer aided drafting (CAD) to create drawings and drafting standards to properly prepare drawings. Additionally, students learn to read and interpret highway plans, how to use collected data or route and construction surveying, and about public land survey systems.	\$18.40 per hour, or \$38,272 annually	Land Surveying Technician Survey Assistant Survey Technician Surveyor Civil CAD Drafter	Students complete the Nebraska Department of Roads Bridge Plan Reading self-paced course as part of the program.	Tools are required and are available through the Campus Store.



### » Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - [southeast.edu/visit](https://southeast.edu/visit)
- ▶ Explore career options with an Admissions Counselor - [southeast.edu/admissionsadvising](https://southeast.edu/admissionsadvising)
- ▶ Apply - [southeast.edu/applynow](https://southeast.edu/applynow)

### » Paying for SCC

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

**Southeast**  
COMMUNITY COLLEGE

2022-2023

# Land Surveying/GIS/ Civil Engineering Technology

» [southeast.edu/landsurveyingtech](https://southeast.edu/landsurveyingtech)



Land surveyors play an important role in the development and construction of buildings, roads and land. This crucial technical role is responsible for taking precise measurements with specialized equipment to determine property boundary lines and elevations. They also help construction crews ensure that building codes and zones are upheld. Land surveyors utilize GPS and GIS technology to collect information, create maps, mark property, and advise governments and businesses on planning future construction projects. SCC's Land Surveying/GIS/Civil Engineering Technology program offers a unique combination of instruction that will prepare you for a career as a land surveyor, civil drafter or construction material inspector.

### Program Contact Information

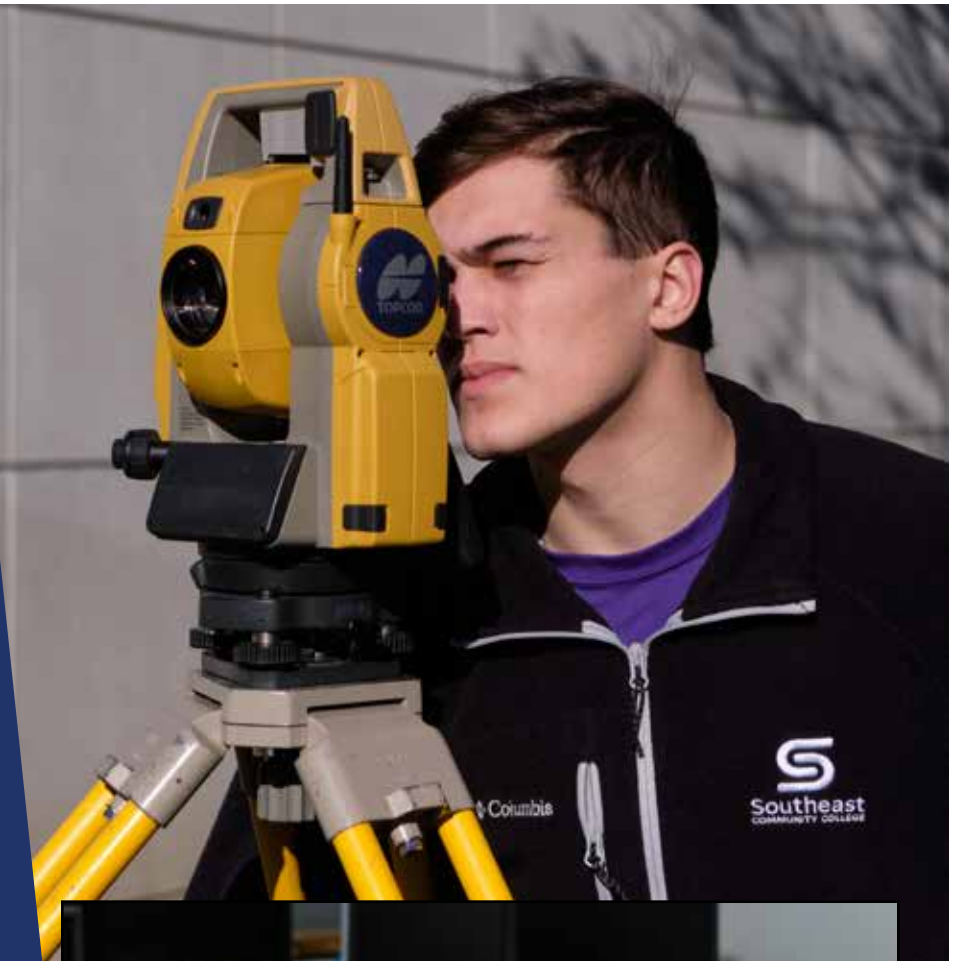
**Jason Adams, Program Chair**  
402-761-8209, 800-933-7223 ext. 8209  
✉ [jadams@southeast.edu](mailto:jadams@southeast.edu)

# The SCC Experience

- » SCC's Land Surveying/GIS/Civil Engineering Technology program is the only program of its kind in the state of Nebraska. This one-of-a-kind program prepares students to succeed in a high-demand career field with endless high-paying job opportunities.
- » The program utilizes state-of-the-art equipment, including drones and two new digital scanners, helping graduates enter the workforce ready to make an immediate impact. New equipment gives students an edge as they arrive at job sites prepared and confident in their skills.
- » Students gain significant hands-on experience in the classroom and the lab. Students spend 50% of their time in the classroom and the other 50% of their time in the field collecting data, analyzing and studying sites, and creating drawings and plans. This real-life application of skills prepares students to be skilled technicians.
- » Graduates of the program qualify for a nine-month work experience toward obtaining their Registered Land Surveyor license. This experience helps graduates advance in the career field quickly, helping them to gain additional skills and increase salary earnings!

## Related SCC Programs:

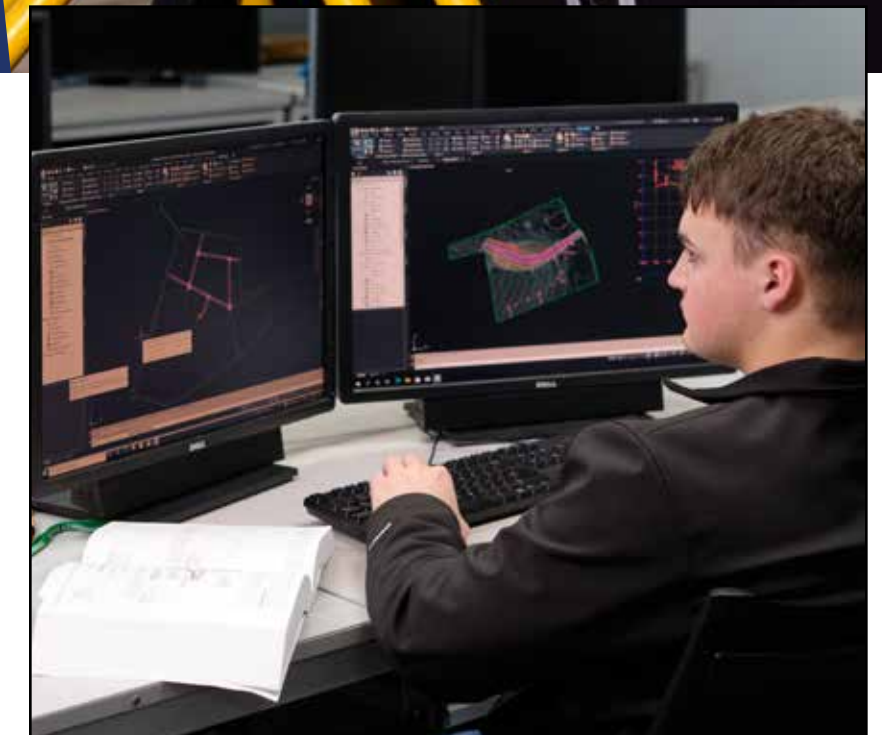
- Building Construction Technology
- Concrete Construction Technician
- Design & Drafting Technology (Architectural Design focus)
- Electrical/Electromechanical Technology
- Electrician Construction (IBEW Apprenticeship Option)
- Energy Generation Operations
- Heating, Ventilation, Air Conditioning & Refrigeration Technology
- Plumbing Technology
- Technical Skills Instructor



### Land Surveying/GIS/ Civil Engineering - Required Basic Tool List

A 10% discount will be given at the Campus Store if the items are purchased as a complete set.

- Gammon Reel w/String (Transit Works)
- 16 oz. Plumb Bob with Leather Scabbard
- Field Book (Surveying)
- Pocket Dictionary
- Book: Carr Lane Trigonometry Tables
- 8GB USB Thumb Drive
- HP35s Calculator
- HP35s Surveying Solutions Manual
- Orange Safety Vest
- General Pocket T-41 Template
- Civil Engineers Tri-Scale
- Mesh Bag
- 25' Decimal Tape Measure
- Legal Size Clip Board
- Tablets Of Graph Paper – Computation Pad (1/4")
- Wireless 110 Sheet Paper



Program	Credential	Location	Hours Required to Graduate	Resident cost*	Non-Resident 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
Land Surveying/GIS/Civil Engineering Technology	Associate of Applied Science	Milford	64	\$8,963	\$10,307	Fall	4	No	No	No	No	Monday – Friday, 8 am- 3 pm

\*Listed program costs are approximate and subject to change based on market price of books, supplies, tools, uniforms, etc. Estimated costs include tuition, fees, books, supplies, tools, uniforms, etc.