

2018-2019

SOUTHEAST
COMMUNITY
COLLEGE
NEBRASKA

LAND SURVEYING/GIS/CIVIL ENGINEERING TECHNOLOGY

Associate of
Applied Science
Degree

MILFORD CAMPUS

www.southeast.edu/LandSurveyingTech



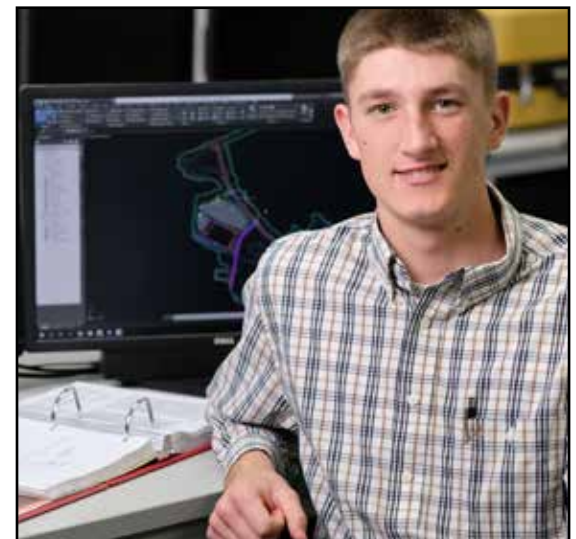
If you're a detail-oriented person who can envision objects, distances and sizes, this is the field for you! Survey technicians collect field data to report back to surveyors and mapmaking professionals. This is the only land surveying program in Nebraska. Every student who graduated from the program in 2017 found employment.

Do you possess outstanding communication, interpersonal and listening skills? Do you like solving problems? If the answer is yes, this program is for you.

Upon completion of the program, students will qualify for a nine-month work experience toward obtaining their Registered Land Surveyor license.

Types of jobs available:

- Land surveying technician that surveys the construction of streets, dams, bridges, highways, airports, and parks; survey boundary locations of subdivisions, private property, and commercial property.
- Civil CAD drafter who creates computer drawings of plans for construction, boundaries, plats, maps for all planning, and conventional drawings for small projects.



Graduate Earnings

Recent graduates report an average starting wage of \$17.25 per hour.

For more information contact:

Dale Mueller, Program Chair
402-761-8255, 800-933-7223 ext. 8255
dmueller@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243



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General Education Requirements:

Contact your program advisor to select general education courses from each category, which will meet your program's graduation requirements. See the General Education pages online for a complete list.

(One class from each area below).

Oral Communications	4.5
Written Communications	4.5
Critical Thinking & Problem Solving	
MATH1050 Thinking Mathematically or higher (Recommended)	4.5
Analytical, Quantitative, and Scientific Reasoning	
ECON1200 Personal Finance (Recommended)	4.5
Career and Life Skills	
BSAD1010 Microsoft Applications I (Recommended)	4.5

22.5 hours

Please note: It is optional for students to purchase their own laptop, software and accessories. A list of recommended products is available with the program chair or the College Admissions Office.

Required LSCE Courses:

Course #	Course title	Credit hrs
LSCE1120	Plane Surveying	6.0
LSCE1126	Basic Civil CAD	7.0
LSCE1130	Analysis for Land Surveyors	4.5
GIST1110	Introduction to Geospatial Technology	4.5
LSCE1220	Engineering Surveying	6.0
LSCE1226	Civil CAD II	6.5
LSCE1232	Highway Plan Reading	2.5
GIST1120	Spatial Analysis and Modeling	4.5
LSCE1320	Route and Construction Surveying	5.0
LSCE1326	Civil CAD III	8.0
GIST1130	Data Acquisition & Management	4.5
LSCE2520	Geodetic Surveying	11.0
LSCE2526	Principles of Land Development	7.0
GIST1140	GIS Capstone	4.5
LSCE1900	Internship or	
LSCE1901	Cooperative Experience	12.0
LSCE2620	Boundary Control and Legal Principles	7.0
LSCE2626	Advanced Civil CAD	3.0
LSCE2646	Civil CAD 3D	5.0
LSCE2667	Public Land Survey Systems	5.0

113.5 hours



Basic Tools Required

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

- Civil Engineers Scale
- General Pocket Template
- Circle Template
- Legal Size Clip Board
- Field Book (Surveying)
- Materials to draw on are furnished by the school.
- Electronic Calculator w/Trig Functions (HP50G)
- 1 - 16 oz. plumb bob with leather scabbard
- 1 - Standard Size 3-Ring Binder (3")
- 2 - Tablets of graph paper – computation pad (1/4")
- 1 - Vinyl Kit Case
- Gammon Reel w/string (Transit Works)
- 25' Decimal Tape Measure
- Orange Safety Vest
- Pocket Dictionary
- 3 - Wireless 110 Sheet Paper
- 8 GB Kingston Data Travel
- Book: Carr Lane Trigonometry Tables & Handy Conversion Book
- 2 GB SD Card



Estimated Expenses

Nebraska Resident tuition/fee rate is \$69.50 per credit hour. Out-of-state tuition/fee rate is \$83.50 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Millford campuses only. Tuition, books and fees are dependent upon classes taken each quarter.

Students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

FIRST QUARTER

Tuition And Fees	\$1,529
Books	795
Tools	287
Total	\$2,611

FOURTH QUARTER

Tuition And Fees	\$1,564
Books	350
Total	\$1,914

SECOND QUARTER

Tuition And Fees	\$1,355
Books	325
Total	\$1,680

FIFTH QUARTER

Tuition And Fees	\$834
COOP Quarter	
Total	\$834

THIRD QUARTER

Tuition And Fees	\$1,216
Books	200
ACI Certification	135
Total	\$1,551

SIXTH QUARTER EXPENSES

Tuition And Fees	\$1,390
Books	225
Total	\$1,615
Total Estimate For Program	\$10,205

