

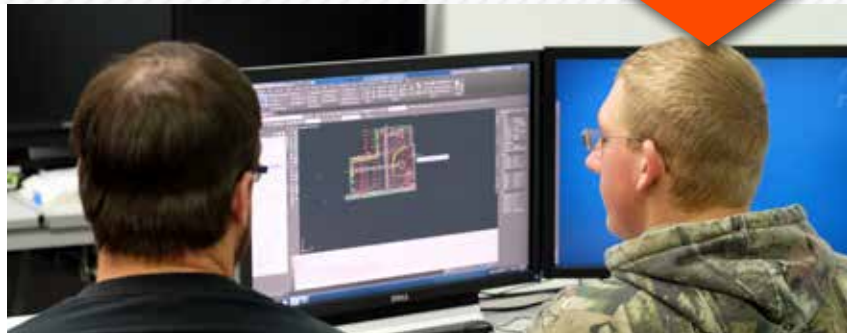


LAND SURVEYING/GIS/CIVIL ENGINEERING TECHNOLOGY

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.

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 sub-divisions, private property, and commercial property.
- Civil CAD drafter who draws computer drawings of plans for construction, boundaries, plats, maps for all planning, and conventional drawings for small projects.
- Construction materials inspector who tests construction materials and checks construction work.



Graduate Earnings

Recent graduates report an average starting wage of \$17.40 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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A minimum grade of "C" or higher is required in all LSCE courses to progress through or graduate from the program.

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

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
Mathematics	4.5
MATH1050 Thinking Mathematically	
Social Science	4.5
Computer Technology	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.

Basic Tools Required

A 10% discount will be given at the campus bookstore 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

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.

FIRST QUARTER

Tuition And Fees	\$1,701
Books	700
Tools	280
Total	\$2,681

SECOND QUARTER

Tuition And Fees	\$1,512
Books	175
Total	\$1,687

THIRD QUARTER

Tuition And Fees	\$1,386
Books	300
ACI Certification	135
Total	\$1,821

FOURTH QUARTER

Tuition And Fees	\$1,701
Books	400
Total	\$2,101

FIFTH QUARTER

Tuition And Fees	\$756
COOP Quarter	
Total	\$756

SIXTH QUARTER EXPENSES

Tuition And Fees	\$1,544
Books	290
Total	\$1,834
Total Estimate For Program	\$10,880

