

LAND SURVEYING TECHNOLOGY

ON-CAMPUS • SELECT COURSES ONLINE
• ASSOCIATE OF APPLIED SCIENCE • CERTIFICATE OPTIONS



Employment of Land Surveying Technicians is projected to grow 5% (faster than average) in the United States between 2024-2034, according to the U.S. Bureau of Labor Statistics.

CAREER opportunities

- Surveying Technician
- Survey Crew Chief
- Land Surveyor
- Mapping Technician



OPTIONAL CERTIFICATES

Advance your skill set with Certificates of Completion in Geographic Information Systems Technology and/or Unmanned Aerial Systems.



This program receives funding from the U.S. Department of Labor, veterans and eligible spouses receive priority of service over non-covered persons. (20 CFR 1010)

HANDS-ON LEARNING **WORKFORCE READY.**

Level up and land a career with a degree in Land Surveying Technology.

With real-world, hands-on lab and lecture-style classes, Bismarck State College's Land Surveying Technology prepares you for a career in surveying. You will learn surveying fundamentals, including field procedures, boundary and cadastral surveying principles, land description principles, and land development and planning principles. Additional coursework in Computer Aided Design (CAD), Geographic Information Systems (GIS), statistics, and related engineering and surveying technology topics will prepare you for a variety of workplaces, including engineering firms, surveying firms, utilities and government agencies.

The Land Surveying Technology program meets the ND State Board of Registration for Professional Engineers and Land Surveyors board-approved educational requirements for individuals pursuing "Land Surveyor Intern" status in North Dakota.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

CAD 201	Fundamentals of Graphical Communication
CAD 213	Introduction to Civil Drafting
GIS 105	Fundamentals of Geographic Information Systems
GIS 107	GIS Applications
CT 151	Spreadsheets for Engineering Technology & Surveying
CT 219	Introduction to Planning and Development
CT 225	Land Descriptions
CT 228	Boundary and Cadastral Surveying
CT 229	Advanced Boundary Surveying
CT 234/L	Water Management Technology/Lab
CT 251/L	Materials Testing /Lab
CT 252	Construction Project Management
ENGR 204/L	Surveying I/Lab
ENGR 205/L	Surveying II/Lab
MATH 210	Elementary Statistics

*Program also includes required general education classes



STRONG JOB MARKET



WORKFORCE READY SKILLS



\$61.4K MEDIAN SALARY



bismarckstate.edu

*Earning estimates were provided by Lightcast in the spring of 2026

An equal opportunity provider.
INFO-0726