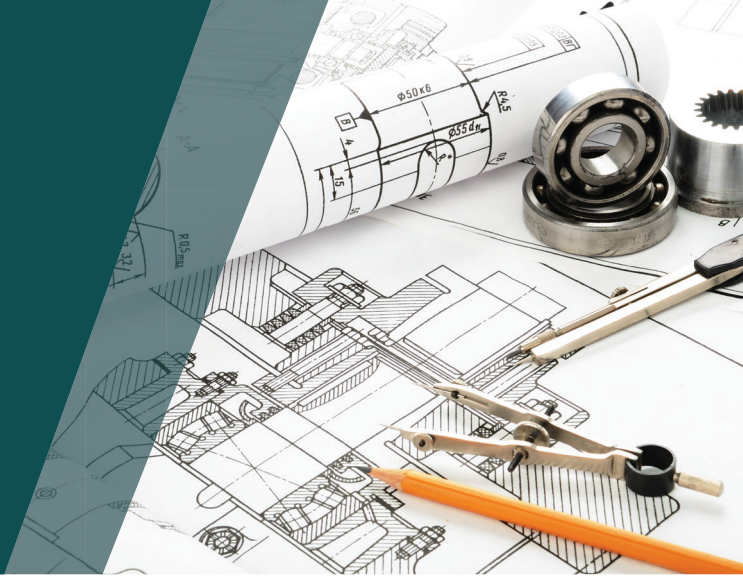


ENGINEERING TECHNOLOGY

TECHNICAL • ON-CAMPUS



Demand for engineering technician graduates remains high locally and around the country. Overall employment for engineering technicians is expected to increase as fast as the average for all occupations, but will vary by industry and specialty, according to the U.S. Bureau of Labor Statistics.

CAREER opportunities

- Survey Technician
- CAD Technician
- Construction Inspector
- Estimator
- Materials Testing Technician

HANDS-ON LEARNING. WORKFORCE READY.

Train to work with engineers and surveyors in project planning and completion in this two-year Engineering Technology degree from Bismarck State College.

In this program, you'll be prepared for practical design and production work in jobs such as survey technician, CAD technician, construction inspector, estimator, or materials testing technician. Technicians are often members of engineering and/or surveying teams working on roads, bridges, buildings, water and wastewater infrastructure, and energy related projects.

For students that wish to pursue professional surveying as a career, the Engineering Technology program meets the ND State Board of Registration for Professional Engineers and Land Surveyors "board-approved" program educational requirements.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

CAD 201	Fundamentals of Graphical Communications
CAD 212	Introduction to Building Modeling
CAD 213	Introduction to Civil Drafting
CT 151	Spreadsheets for Engineering Technology and Surveying
CT 219	Introduction to Planning & Development
CT 225	Land Descriptions
CT 228	Boundary and Cadastral Surveying
CT 229	Advanced Boundary Surveying
CT 234/L	Water Management Technology/Lab
CT 250/L	Applied Statics and Mechanics of Materials/Lab
CT 251/L	Materials Testing
CT 252	Construction Project Management
ENGR 204/L	Surveying I/Lab
ENGR 205/L	Surveying II/Lab
GIS 105	Fundamentals of Geographic Information Systems
GIS 107	GIS Applications

**Program also includes required general education and program elective credits*



STRONG JOB MARKET



TECHNICAL SKILLS



\$62K MEDIAN SALARY

bismarckstate.edu

*Earning estimates were provided by Lightcast in the spring 2023

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