

CIVIL ENGINEERING TECHNOLOGY

ON CAMPUS • EXPERIENCED INSTRUCTORS
EARN INDUSTRY RECOGNIZED CREDENTIALS



CAREER opportunities

The Civil Engineering Technology program prepares graduates for immediate employment in a high-demand employment sector. Potential employers include federal, state, county or local governments, engineering firms, surveying firms, testing firms, utilities, mining and power companies, and construction firms.

STACKABLE CERTIFICATES

Advance your skill set with the option to stack the Unmanned Aerial Systems or Geographic Information Systems certificates with your degree.



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.

Gear up for a future in Civil Engineering with a degree from Bismarck State College

This two-year associate in applied science or one-year certificate will prepare you for employment as a civil engineering technician, CAD technician, materials testing technician or related entry-level technician positions in engineering and construction-related industries.

With real-world, hands-on lab and lecture-style classes, you will learn 2-D and 3-D modeling, drafting and plan preparation using Computer-Aided Design and drafting (CADD) and Geographic Information Systems (GIS) software, material testing fundamentals with lab and field testing procedures, construction project management fundamentals, water and wastewater fundamentals, land surveying fundamentals with field procedures, land development and planning fundamentals and elementary structural analysis.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

CAD 201	Fundamentals of Graphical Communication
CAD 212	Introduction to Building Modeling
CAD 213	Introduction to Civil Drafting
GIS 105	Fundamentals of GIS
GIS 107	GIS Applications
CT 151	Spreadsheets for Engineering Technology & Surveying
CT 219	Introduction to Planning and Development
CT 250/L	Applied Statics and Mechanics of Materials/Lab
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

**Program also includes required general education classes*



STRONG JOB MARKET



WORKFORCE READY SKILLS



\$60K MEDIAN SALARY

bismarckstate.edu

*Earning estimates were provided by Lightcast in the spring of 2024

An equal opportunity provider.
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