

CIVIL ENGINEERING TECHNOLOGY

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



Civil Engineering Technology graduates are ready for immediate employment in a variety of engineering and construction-related careers for a variety of employers, including engineering firms, construction companies, materials testing firms and government agencies, to name a few.

CAREER opportunities

- CAD Drafter
- Materials Tester
- Estimator
- Inspector
- Survey Technician
- Designer



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.

Build the infrastructure that shapes our communities.

With an Associate of Applied Science in Civil Engineering Technology from Bismarck State College, you will create the foundation for a career to design, develop and build the world around you.

Through a combination of hands-on labs and lecture-based courses, you will gain experience in 2-D and 3-D modeling, drafting, and plan development using Computer-Aided Design (CAD) and Geographic Information Systems (GIS). Level up your skills with courses covering the fundamentals of materials testing with both laboratory and field procedures, construction project management, water and wastewater systems, land surveying with field techniques, land development and planning and introductory structural analysis.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

CAD 201	Fundamentals of Graphical Communication
CAD 212	Introduction to Building Modeling (AAS only)
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 (AAS only)
CT 234/L	Water Management Technology/Lab (AAS only)
CT 250/L	Applied Statics and Mechanics of Materials/Lab (AAS only)
CT 251/L	Materials Testing /Lab
CT 252	Construction Project Management
ENGR 204/L	Surveying I/Lab
ENGR 205/L	Surveying II/Lab (AAS only)
MATH 210	Elementary Statistics (AAS only)

*Program also includes required general education classes



STRONG JOB MARKET



WORKFORCE READY SKILLS



\$67.7K MEDIAN SALARY



bismarckstate.edu

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

An equal opportunity provider.
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