Engineering Technology Program

Mission Statement
The Bismarck State College Engineering Technology Program is committed to preparing students with the necessary skills to have successful careers as engineering technologists in modern working environments.

Program Objectives
The Engineering Technology Program will prepare graduates with the technical and managerial skills necessary to enter careers in the planning, design, construction, operation or maintenance of the built environment and global infrastructure. Graduates will possess:

Objective 1. skills in construction testing, operation, and maintenance of buildings and infrastructure;

Objective 2. the ability to produce and utilize basic construction documents, and;

Objective 3. the ability to perform basic analysis and design of system components.

Program Outcomes
Students graduating from the Engineering Technology Program will be capable of:

Outcome 1. Utilize principles, hardware, and software that are appropriate to produce drawings, reports, quantity estimates, and other documents related to civil engineering

Outcome 2. Conduct standardized field and laboratory tests related to civil engineering

Outcome 3. Utilize surveying methods appropriate for land measurement and/or construction layout

Outcome 4. Apply fundamental computational methods and elementary analytical techniques in subdisciplines related to civil engineering

Outcome 5. Demonstrate understanding of the basic principles of contracts, specifications, bidding and construction activities related to civil engineering

Outcome 6. Demonstrate understanding of the fundamental components and processes of water & wastewater collection, distribution, and treatment

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