

Instrumentation & Control Technology



Gain fundamental skills for troubleshooting, repairing, and controlling components used in automation



There are two options within the Instrumentation & Control program:

- ✓ Leverage courses in your facility's training programs
- ✓ Complete a Certificate or Associate of Applied Science Degree in Instrumentation & Control Technology from Bismarck State College (BSC)

Enhance Your Career:

- ✓ Become a qualified instrument and control technician
- ✓ Flexible to fit your schedule
- ✓ Industry qualified instructors
- ✓ Align to your tuition reimbursement program
- ✓ Prepares you for industry job opportunities

Benefits:

- ★ Fully accredited
- ✂ Completely transferable
- 🎓 Credit for your experience
- 💰 Tuition savings

Enhance Your Company Training:

- ✓ Leverage cutting edge learning tools
- ✓ Accelerate development from within
- ✓ Standardize across regional/national footprint
- ✓ Qualified instructor led and industry-approved
- ✓ Align to your tuition reimbursement program
- ✓ Content developed by industry, for industry



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Looking for education and training with state-of-the-art technology in instrumentation and control?

The Instrumentation & Control Technology program at the Bismarck State College (BSC) National Energy Center of Excellence (NECE) prepares students for careers in power plants, process facilities, water treatment facilities or any industrial location that utilizes automation. The online program keeps up with the rapidly changing industry by leveraging state-of-the-art, interactive learning tools aligned to actual on-the-job tasks.

An interview is required before enrolling in the online program.

Core Classes:

ELEC 100 Direct Current Analysis
ELEC 100L Direct Current Analysis Lab
ELEC 118 Solid State Devices
ELEC 118L Solid State Devices Lab
ELEC 114 Digital Electronics I
ELEC 114L Digital Electronics I Lab

ELEC 130 Active Devices
ELEC 130L Active Devices Lab
ELEC 120 AC Analysis
ELEC 120L AC Analysis Lab
ELEC 115 Digital Electronics II
ELEC 115L Digital Electronics II Lab

ICTL 205 Mechanical Practices
ICTL 205L Mechanical Practices Lab
ICTL 215 Instrumentation Drawings and Documentation
ICTL 215L Instrumentation Drawings and Documentation Lab
ICTL 225 Input and Output Devices
ICTL 225L Input and Output Devices Lab

ICTL 235 Motors and Controllers
ICTL 235L Motors and Controllers Lab
ICTL 245 Controls
ICTL 245L Controls Lab
ICTL 255 Automation Overview
ICTL 255L Automation Overview Lab

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Power



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Power



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Engineering



Technology



Water

The Energy Providers Coalition for Education (EPCE) is a national alliance delivering solutions to attract and engage the energy industry's workforce through quality online education.

epceonline.org

