### 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 instructor
- 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

epceonline.org/instrumentation-control-technology
**Instrumentation & Control Technology**

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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 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.

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**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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**Have Questions?**

Ask an Educational Consultant at: epceonline.org/educational-consultant

**Discover** additional programs at: epceonline.org

- Electrical Transmission
- Nuclear
- Power Plant
- Renewable
- Water

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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.

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