

# Electrical Transmission Systems Technology



*Responding to Industry Demands for Dispatchers*









**There are many options to enroll in the ETST program:**

- ✓ Continuing education hours (CEHs) for North American Electric Reliability Corporation (NERC) certification
- ✓ Individual college courses for professional development
- ✓ Complete a Certificate or Associate of Applied Science Degree in ETST

## Enhance Your Career:

- ✓ Cost effective NERC CEHs
- ✓ BSC is the best training value you will find
- ✓ Customized training plans for NERC CEH needs
- ✓ Online courses are flexible to fit shift schedules
- ✓ Industry qualified instructors

## Benefits:

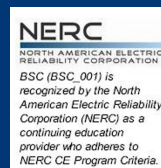
-  100% online
-  Fully accredited
-  Completely transferable
-  Credit for your experience
-  Tuition savings
-  Start any time

## 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

**BSC-NECE is a NERC-Approved CE Provider.** This program is approved to offer North American Electric Reliability Corporation (NERC) continuing education hours (CEHs) combined with college credit for those who wish to maintain certification requirements and work towards a college degree.

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### Looking to become a qualified Dispatcher or maintain certification requirements?

Educated and trained Dispatchers and System Operators are needed for the safe and reliable operation of the transmission and distribution systems while maintaining compliance with reliability standards. The online Electrical Transmission and Systems Technology (ETST) program from Bismarck State College (BSC) is designed with a strong emphasis on system operations.

### Core Classes - Can earn CEHs within various courses

ETST 240 Power Industry Concepts  
ETST 242 Applied Mathematics for Dispatchers  
ENRT 106 DC Fundamentals  
ENRT 108 AC Fundamentals  
ETST 260 Electrical Diagram Interpretation  
ETST 250 Electrical Generation Theories  
ETST 254 System Elements I-Substations  
ETST 256 System Elements II-Transformers  
ETST 258 System Elements III-Protective Relaying

ETST 262 Power System Operations  
ETST 266 Interconnected System Operations  
ETST 268 Power Flow  
ETST 270 System Operator Work Practices  
ETST 272 Power System Safety  
ETST 274 SCADA Systems & Communications  
ETST 276 Power System Economics  
ETST 278 Power System Emergency Concepts  
ETST 280 Reliability Policies and Procedures

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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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