

THE NECE IS A NERC APPROVED CE PROVIDER

The National Energy Center of Excellence at Bismarck State College delivers convenient programs to meet NERC certification requirements for system operators and dispatchers.

Consider the benefits:

- Very cost effective - compare BSC to other NERC CEH providers and see for yourself!
- Available online saving travel time and costs
- Flexible schedule
- Customized training plans designed for your NERC CEH needs
- Qualified instructor-led courses with curriculum developed by the industry, for the industry
- CEHs are posted in the SOCCED at successful course completion

Credit Courses – Electrical Transmission Systems Technology (ETST) Program

| Course | Title | Credits | # of CE Hours | Standard Hours | Operating Topic Hours | Simulation Hours |
|----------|---|---------|---------------|----------------|-----------------------|------------------|
| ENRT 106 | DC Fundamentals | 2 | 45 | | 45 | 4 |
| ENRT 108 | AC Fundamentals | 3 | 45 | | 45 | 10 |
| ETST 250 | Electrical Generation Theory | 4 | 41 | | 41 | 3 |
| ETST 254 | System Elements I - Substations | 3 | 42 | | 42 | |
| ETST 256 | System Elements II - Transformers | 3 | 46 | | 46 | 6 |
| ETST 258 | System Elements III - Protective Relaying | 4 | 55 | | 55 | 4 |
| ETST 262 | Power System Operations | 3 | 31 | 10 | 31 | |
| ETST 266 | Interconnected System Operations | 3 | 47 | 4 | 47 | |
| ETST 268 | Power Flow | 3 | 40 | | 40 | 3 |
| ETST 270 | System Operator Work Practices | 3 | 40 | 15 | 40 | |
| ETST 272 | Power System Safety | 3 | 38 | | 38 | 1 |
| ETST 274 | Communication & Control Technology | 3 | 44 | 2 | 44 | |
| ETST 276 | Power System Economics | 3 | 48 | 3 | 48 | 1 |
| ETST 278 | Power System Emergency | 3 | 49 | 42 | 49 | |
| ETST 280 | Reliability Policies & Procedures | 3 | 54 | 50 | 54 | |

NERC Continuing Education Hours Courses only

| Title | # of CE Hours | Standard Hours | Operating Topic Hours | Simulation Hours |
|--------------------------------|---------------|----------------|-----------------------|------------------|
| Emergency Operations Section 1 | 12 | 4 | 12 | 0.5 |
| Emergency Operations Section 2 | 12 | | 12 | 0.5 |
| Emergency Operations Section 3 | 12 | | 12 | 0.5 |
| NERC Standards Section 1 | 12 | 12 | 12 | |
| NERC Standards Section 2 | 7 | 7 | 7 | |
| NERC Standards Section 3 | 12 | 12 | 12 | |
| Power System Operations 1 | 6 | | 6 | 6 |
| Power System Operations 2 | 8 | | 8 | 8 |
| Basic Electrical Theory | 7 | | 7 | 3 |
| Switchman Training | 9 | 1 | 9 | 7 |
| Power Control 1 | 8 | | 8 | 8 |
| Power Control 2 | 6 | | 6 | 6 |



BISMARCK
STATE COLLEGE

**North Dakota's
Polytechnic Institution**

NERC

**NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION**

BSC (BSC_001) is recognized by the North American Electric Reliability Corporation (NERC) as a continuing education provider who adheres to NERC CE Program Criteria.