



Be The Best!

Electrical Utilities & Substation Technology

- South Dakota's only substation program
- Install, inspect, test, repair and maintain electrical equipment in substations and other 'smart' equipment on the power grid
- Substation lab and equipment located conveniently on campus
- Program open to Electrical Construction & Maintenance, Wind Turbine Technology or Power Line graduates
- Great job opportunities
- No difference between in-state, out-of-state tuition rates

JOB PLACEMENT RATE: 90%*

TUITION/FEES: \$8,204

Book and tool costs extra.

*Placement data is gathered through graduate surveys, faculty-collected data, and phone surveys started after six months of graduation. In 2018, 10 of the 10 graduates responded to the survey. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

Mitchell Technical Institute
800-684-1969 • mitchelltech.edu

Aspen Prize Top 10 Community College

Award: AAS Degree

| First Semester | | | Semester Credits |
|----------------|-----|-------------------------------------|------------------|
| EUST | 110 | Intro to Basic Motor Controls | 2 |
| EUST | 114 | Substation Operations Lab I | 4 |
| EUST | 120 | Substation Operations I | 3 |
| EUST | 132 | Schematic Reading | 2 |
| EUST | 145 | Alternating Current Circuits | 2 |
| EUST | 150 | Substation Safety I | 1 |
| TRAN | 100 | Industrial Transportation/CDL | 1 |
| | | | 15 |

| Second Semester | | | Semester Credits |
|-----------------|-----|---|------------------|
| EUST | 115 | Substation Operations Lab II | 4 |
| EUST | 121 | Substation Operations II | 3 |
| EUST | 130 | Intro to Smart Grid & Metering | 2 |
| EUST | 131 | Fiber Optics for Substations | 2 |
| EUST | 142 | Substation Communications Technology | 2 |
| EUST | 151 | Substation Safety II | 1 |
| | | | 14 |

In addition to the technical courses required in the program, the student seeking an AAS degree must also complete:

| | | | |
|-----|-----|----------------------------------|---|
| CIS | 105 | Introduction to Computers..... | 3 |
| | | Math Elective | 3 |
| | | Communications Elective | 3 |
| | | Behavioral Science Elective..... | 3 |
| | | Social Science Elective | 3 |

Total Credits Required to Graduate: Diploma or Certificate from an accredited institution (minimum 25 credits) plus 29 technical credits from MTI and 15 general education credits to earn the AAS degree



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