



# **MITCHELLTECH**

## **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
- Learn critical skills in transformers, relays, and control systems in the on-campus substation lab
- Program open to Power Line, Electrical Construction & Maintenance, Wind Turbine Technology graduates
- Great job opportunities



**JOB PLACEMENT RATE: 100%\***

**TUITION/FEES: \$10,371**

*Book, CDL, and tool costs extra.*

\*Placement data is gathered through graduate surveys, faculty-collected data, and phone surveys started after six months of graduation. In 2023, 9 of the 9 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

# **BE THE BEST.**

**605-995-3025**  
**mitchelltech.edu**

## Award: AAS Degree

First Semester		Semester Credits
EUST	110	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	151	Substation Safety II . . . . . 1
		12

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 27 technical credits from Mitchell Tech and 15 general education credits to earn the AAS degree

### Total Credits Required to Graduate: 67



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