



# **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 Electrical Construction & Maintenance, Wind Turbine Technology and Power Line graduates
- Great job opportunities

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

**TUITION/FEES: \$10,787**

*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 2021, 4 of the 4 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

# **BE THE BEST.**

**800-684-1969**  
**mitchelltech.edu**

## 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

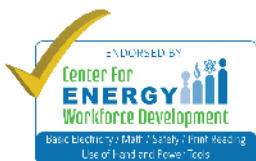
Second Semester		Semester Credits
EUST	115	Substation Operations Lab II..... 4
EUST	121	Substation Operations II..... 3
EUST	130	Intro to Smart Grid & Metering..... 2
EUST	131	Fiber Optics for Substations..... 2
EUST	142	Substation Communications Technology . 2
EUST	151	Substation Safety II .....1
		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 Mitchell Tech and 15 general education credits to earn the AAS degree

**Total Credits Required to Graduate: 69**



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