



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 or Power Line graduates
- Great job opportunities

JOB PLACEMENT RATE: 100%*

TUITION/FEES: \$9,389

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 2020, 10 of the 10 graduates responded to the survey. 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/CDL1
		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 II1
		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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800-684-1969 • mitchelltech.edu