



MITCHELL TECH

Electrical Construction & Maintenance

- Engage in hands-on residential and commercial labs
- Fundamental knowledge working with the National Electrical Code (NEC) standards
- Highly experienced instructors
- Specialty areas include PLCs, industrial controls, fiber, motors and more
- Graduates earn 2,000 apprenticeship hours
- Excellent starting wages



JOB PLACEMENT RATE: 100%*

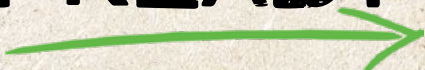
TUITION/FEES/LAPTOP: \$19,575

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 2024, 49 of the 50 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

For information regarding licensure in South Dakota and other states, please visit our website at <https://www.mitchelltech.edu/programs/on-campus/construction-manufacturing-technologies/electrical-construction-maintenance/requirements>

GET READY



605.995.3025
mitchelltech.edu

Award: AAS Degree

First Semester		Semester Credits
ECM	101	Electrical Fundamentals4
ECM	121	Electrical Drawing4
ECM	151	Basic Electrical Lab5
OSHA	101	OSHA 10 Construction1
SSS	100	Student Success.....1
		Math Elective3
		General Education Elective3
		21

Second Semester		Semester Credits
ECM	103	Designing Electrical Systems.....3
ECM	122	Residential Blueprint & Code3
ECM	149	Basic Conduit Bending.....2
ECM	157	Wiring Lab.....4
CIS	105	Introduction to Computers3
		General Education Elective3
		18

Third Semester		Semester Credits
ECM	211	Power Distribution 1.5
ECM	231	Electronic Circuits.....2
ECM	251	Commercial/Industrial Wiring Lab.....4
ECM	252	Industrial Controls.....3
ECM	255	Control Lab I..... 1.5
ECM	259	Programmable Logic Controls3
		Written Communications Elective.....3
		18

Fourth Semester		Semester Credits
ECM	202	Motor Theory Maintenance.....2
ECM	221	Commercial Blueprint Reading.....2.5
ECM	235	Structured Cabling4
ECM	244	VFD Motor Drives 1
ECM	253	Advanced Control Systems.....2.5
ECM	257	Advanced Control Lab II.....2
ECM	261	Adv. Programmable Logic Controls.....3.5
CPR	100	First Aid, CPR AED0.5
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Total Credits Required to Graduate: 75



1800 E. Spruce St., Mitchell, SD 57301
800-684-1969 • mitchelltech.edu