



Be The Best!

Electrical Construction & Maintenance

- Hands-on residential and commercial labs
- Highly experienced instructors
- Specialty areas like PLCs, industrial controls, fiber, motors and more
- 2000 apprenticeship hours for graduates
- Excellent starting wages
- Great job opportunities

JOB PLACEMENT RATE: 100%*
TUITION/FEES/LAPTOP: \$17,749

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, 35 of the 37 graduates responded to the survey. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

Mitchell Technical Institute
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Aspen Prize Top 10 Community College

Award: AAS Degree

First Semester		Semester Credits
ECM	101	Electrical Fundamentals..... 4
ECM	121	Electrical Drawing 4
ECM	151	Basic Electrical Lab..... 5
OSHA	101	OSHA 10 Training - Construction 1
SSS	100	Student Success 1
		Math Elective 3
		Social Science Elective 3
		21

Second Semester		Semester Credits
ECM	103	Designing Electrical Systems 3
ECM	122	Residential Blueprint & Code 3
ECM	149	Basic Conduit Bending 2
ECM	157	Wiring Lab..... 4
CIS	105	Introduction to Computers..... 3
		Behavioral Science Elective..... 3
		18

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

Fourth Semester		Semester Credits
ECM	202	Motor Theory & Maintenance 2
ECM	221	Commercial Blueprint Reading2.5
ECM	235	Structured Cabling..... 4
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 Controls3.5
CPR	100	First Aid, CPR & AED.....0.5
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Total Credits Required to Graduate: 75 (AAS)



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