



## ***MITCHELL TECH***

### **Automation Controls/SCADA**

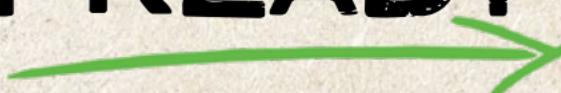
- Unique program using computers to collect data and manage automated systems
- State-of-the-art labs incorporating high-level technology with real world applications
- Curriculum includes remote control switching devices, smart metering systems, robotics and more
- Third year Automation Engineering option available
- High starting salaries in high demand occupations



**JOB PLACEMENT RATE: 100%\***  
**TUITION/FEES/LAPTOP: \$19,535**  
*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, 9 of the 9 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

# **GET READY**



**605.995.3025**  
**[mitchelltech.edu](http://mitchelltech.edu)**

## **Award: AAS Degree**

First Semester (Fall)			Semester Credits
CIS	105	Introduction to Computers .....	.3
EC	105	Data Cabling .....	.3
MAP	130	Leveraging Artificial Intelligence .....	.2
MATH	162	Digital Math .....	.3
SD	113	Industrial Electronics .....	.4
SD	136	Programming for SCADA .....	.3
SSS	100	Student Success .....	.1
			19

Second Semester (Spring)			Semester Credits
CIS	107	Spreadsheet Concepts .....	.3
SD	120	Introduction to Motor Control .....	.3
SD	159	Programmable Logic Controllers .....	.3
SD	160	Industrial Wiring .....	.3
SD	165	P and ID and Electrical Drawings CAD .....	.3
OSHA	100	OSHA 10 General .....	.1
		Communications Elective .....	.3
			19

Third Semester (Fall)			Semester Credits
SD	225	Intro to SCADA Software .....	.4
SD	229	Networking Concepts .....	.3
SD	259	Adv. Programmable Logic Controllers .....	.4
SD	265	System Integration and Troubleshooting .....	.4
		Social Science Elective .....	.3
			18

Fourth Semester (Spring)			Semester Credits
SD	205	Process Controls .....	.3
SD	239	Advanced Industrial Networking .....	.3
SD	266	Robotics and 6-1131 Standards .....	.3
SD	270	SCADA Testing Control Lab .....	.7
		Behavioral Science Elective .....	.3
			19

**Total Credits Required to Graduate: 75**

## **Optional Third-Year Automation Engineering AAS:**

Sixth Semester (Fall)			
WMT	201	Quality & Productivity Improvement .....	.2
WMT	230	Welding Robotic Lab .....	.3
WMT	231	Manual Machining Lab .....	.3
WMT	240	Manufacturing Programming & Installation .....	.3
			11

Seventh Semester (Spring)			Semester Credits
WMT	250	Laser Cutting Technology .....	.3
WMT	251	CNC Machining Station Lab .....	.3
WMT	260	Advanced Machining .....	.4
CPR	100	First Aid, CPR AED .....	.5
			10.5