



MITCHELLTECH

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 not included.

*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**

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 & ID and Electrical 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 IEC 61131-3 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 0.5
		10.5