



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: \$19,885

Books 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 2025, 10 of the 10 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 Computers3
EC	105	Data Cabling3
MAP	130	Leveraging Artificial Intelligence2
MATH	162	Digital Math3
SD	113	Industrial Electronics4
SD	136	Programming for SCADA3
SSS	100	Student Success1
		19

Second Semester (Spring)		Semester Credits
SD	120	Introduction to Motor Controls3
SD	159	Programmable Logic Controllers3
SD	160	Industrial Wiring3
SD	165	P and ID and Electrical Drawings CAD ...3
OSHA	100	OSHA 10 General1
		*Communications Elective3
		*Behavioral Science Elective3
		19

Third Semester (Fall)		Semester Credits
SD	225	Intro to SCADA Software4
SD	229	Networking Concepts3
SD	259	Adv. Programmable Logic Controllers ...4
SD	265	System Integration & Troubleshooting...4
		*Social Science Elective3
		18

Fourth Semester (Spring)		Semester Credits
SD	205	Process Controls3
SD	239	Advanced Industrial Networking3
SD	266	Robotics & IEC 61131-3 Standards3
SD	270	SCADA Testing & Control Lab7
		16

Total Credits Required to Graduate: 72

*Dual credit opportunity

Optional Third-Year Automation Engineering AAS:

Sixth Semester (Fall)		
WMT	201	Quality & Productivity Improvement2
WMT	230	Welding Robotic Lab3
WMT	231	Manual Machining Lab3
WMT	240	Manufacturing Programming & Installation3
		11

Seventh Semester (Spring)		Semester Credits
WMT	250	Laser Cutting Technology3
WMT	251	CNC Machining Station Lab3
WMT	260	Advanced Machining4
CPR	100	First Aid, CPR AED0.5
		10.5