



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
- Add a third year Automation Engineering option
- High starting salaries in high demand occupations

JOB PLACEMENT RATE: 100%*

TUITION/FEES/LAPTOP: \$20,033

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 2021, 16 of the 16 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

BE THE BEST.

**800-684-1969
mitchelltech.edu**

Award: AAS Degree

First Semester (Fall)		Semester Credits	
CIS	107	Spreadsheet Concepts	3
EC	105	Data Cabling	3
EC	121	AC/DC Analysis	4
IST	156	Information Security I	2
MATH	162	Digital Math	3
SD	100	Introduction to Programming	2
SSS	100	Student Success	1
			18

Second Semester (Spring)		Semester Credits	
EC	113	Electronics Theory	3
IST	140	Cisco CCNA I	3
SD	136	Programming for SCADA	3
SD	142	Control Circuit Analysis	4
SD	157	SCADA Electronics Lab	3
OSHA	100	OSHA 10 Training	1
			17

Third Semester (Summer)		Semester Credits	
SD	120	Introduction to Motor Controls	3
SD	159	Programmable Logic Controllers	3
SD	160	Industrial Wiring	3
		Communications Elective	3
			12

Fourth Semester (Fall)		Semester Credits	
IST	230	Data Visualization	4
SD	225	Intro to SCADA Software	4
SD	229	Networking Concepts	3
SD	259	Adv. Programmable Logic Controllers	4
		Social Science Elective	3
			18

Fifth Semester (Spring)		Semester Credits	
SD	205	Process Controls	3
SD	239	Advanced Industrial Networking	3
SD	270	SCADA Testing & Control Lab	7
		Behavioral Science Elective	3
			16

Total Credits Required to Graduate: 81

Optional Third-Year Automation Engineering AAS:

Sixth Semester (Fall)		Semester Credits	
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	Adv. Machining	4
CPR	100	First Aid, CPR & AED	0.5
			10.5