



MITCHELLTECH

Automation Controls/SCADA

- Unique program using computers to collect data and manage automated systems
- State-of-the-art labs incorporating high-level technology like remote control switching devices, metering systems, robotics and more
- Add a third year Automation Engineering option
- High starting salaries

JOB PLACEMENT RATE: 100%*
TUITION/FEES/LAPTOP: \$20,028
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 2019, 12 of the 13 graduates responded to the survey. 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	167	IT Essentials	3
EC	105	Data Cabling	3
EC	112	Electronics Theory	3
IST	156	Information Security I	3
MATH	162	Digital Math	3
SD	200	Introduction to Programming	2
SSS	100	Student Success	1
			18

Second Semester (Spring)			Semester Credits
IST	140	Cisco CCNA I	5
SD	136	Programming for SCADA	3
SD	142	Industrial Power Electronics	4
SD	157	SCADA Electronics Lab	3
EC	121	DC/AC Circuit Analysis	3
OSHA	100	OSHA 10 Training	1
			19

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

Fourth Semester (Fall)			Semester Credits	
SD	225	Intro to SCADA Software	4	
SD	229	Networking Concepts	3	
SD	259	Adv. Programmable Logic Controllers	3	
IST	230	Data Visualization	3	
			Social Science Elective	3
			16	

Fifth Semester (Spring)			Semester Credits	
SD	205	Process Controls	3	
SD	239	Advanced Industrial Networking	3	
SD	270	SCADA Testing & Control Lab	7	
SSS	200	Career Readiness	1	
			Behavioral Science Elective	3
			17	

Total Credits Required to Graduate: 82

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	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