



# **MITCHELLTECH**

## **Machining & Manufacturing**

- Comprehensive welding and manufacturing program
- Highly sophisticated lab equipment including welding robotics, virtual weld score technology, CNC machining, and laser cutting technology
- South Dakota's only ASNT Level III degree-based training program with AWS CWI/CRI instructors
- One-year diploma or two-year AAS degree option; add a third year and earn two AAS degrees
- High-profile industry partners offering unique internship experiences



TUITION/FEES/LAPTOP: \$17,402\*  
DIPLOMA OPTION TUITION/FEES/  
LAPTOP: \$8,942

(\*For two-year AAS degree)

*Book and tool costs extra.*

# **BE THE BEST.**

**605-995-3025**  
**mitchelltech.edu**

## **Award: Welding Certificate**

First Semester (Fall)		Semester Credits
WLD	101	Welding Safety and Discontinuities . . . . . 2
WMT	132	Metallurgy . . . . . 2
WMT	149	Basic Welding Lab . . . . . 2
WMT	150	Welding Lab I . . . . . 4
OSHA	100	OSHA 10 General . . . . . 1
SSS	100	Student Success . . . . . 1
		12

Second Semester (Spring)		Semester Credits
WMT	117	Crane and Forklift Operation . . . . . 2
WMT	120	Manufacturing Symbols Measurements . . . 1
WMT	121	Blueprint Reading . . . . . 1
WMT	142	Welding Economics . . . . . 2
WMT	151	Welding Lab II . . . . . 4
		10

**Total Credits Required (Certificate): 22**

## **Award: One-Year Diploma or AAS Degree**

First Semester (Fall)		Semester Credits
WLD	101	Welding Safety and Discontinuities . . . . . 2
WMT	132	Metallurgy . . . . . 2
WMT	149	Basic Welding Lab . . . . . 2
WMT	150	Welding Lab I . . . . . 4
OSHA	100	OSHA 10 General . . . . . 1
SSS	100	Student Success . . . . . 1
		Communications Elective . . . . . 3
		15

Second Semester (Spring)		Semester Credits
WMT	117	Crane and Forklift Operation . . . . . 2
WMT	120	Manufacturing Symbols Measurements . . . 1
WMT	121	Blueprint Reading . . . . . 1
WMT	142	Welding Economics . . . . . 2
WMT	151	Welding Lab II . . . . . 4
		Math Elective . . . . . 3
		General Education Elective . . . . . 3
		16

**Total Credits Required to Graduate (Diploma): 31**

## **Manufacturing/Machining AAS Degree ONLY**

Third Semester (Summer)		Semester Credits
WMT	290	Internship . . . . . 6

Fourth 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
		General Education Elective . . . . . 3
		14

*BUS 170: Entrepreneurship & Small Business Management  
required for third year.*

Fifth 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
		General Education Elective . . . . . 3
		13.5

**Total Credits Required to Graduate (AAS): 64.5**