



# **MITCHELLTECH**

## **Machining & Manufacturing**

- Comprehensive welding and manufacturing program
- Highly sophisticated lab equipment including welding robotics, virtual weld score technology, CNC machining, laser cutting technology and more
- 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

**JOB PLACEMENT RATE: 100%<sup>†</sup>**

**TUITION/FEES/LAPTOP: \$17,402\***

[\*For two-year AAS degree]

*Book and tool costs extra.*

<sup>†</sup>Placement data is gathered through graduate surveys, faculty-collected data, and phone surveys started after six months of graduation. In 2022, 3 of the 3 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: One-Year Diploma or AAS Degree**

First Semester (Fall)		Semester Credits
WLD	101	Welding Safety & 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 & 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**



1800 E. Spruce St., Mitchell, SD 57301  
800-684-1969 • mitchelltech.edu