



MITCHELL TECH

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



JOB PLACEMENT RATE: 100%*
TUITION/FEES/LAPTOP: \$18,191[†]
**DIPLOMA OPTION TUITION/FEES/
LAPTOP: \$9,399**

([†]For two-year AAS degree)

Book 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 2024, 6 of the 6 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: 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