



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 NDT Level III degree-based training program with AWS-CWI/CWE-Qualifier instructor
- 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:

AAS DEGREE: \$18,952

DIPLOMA: \$9,921

CERTIFICATE: \$7,571

Books 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 2025, 8 of the 8 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 & Discontinuities2
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 & Rigging.....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 & Discontinuities2
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 Elective3
		15

Second Semester (Spring)		Semester Credits
WMT	117	Crane & Rigging.....2
WMT	120	Manufacturing Symbols Measurements .. 1
WMT	121	Blueprint Reading.....1
WMT	142	Welding Economics.....2
WMT	151	Welding Lab II.....4
CPR	100	First Aid, CPR & AED.....0.5
		*Math Elective3
		*General Education Elective3
		16.5

Total Credits Required to Graduate (Diploma): 31.5

Award: Machining & Manufacturing AAS Degree ONLY

Third Semester (Summer)		Semester Credits
WMT	290	Internship6

Fourth Semester (Fall)		Semester Credits
WMT	201	Quality & Productivity Improvement.....2
WMT	231	Manual Machining Lab.....3
WMT	240	Manufacturing Programming & Installation3
BUS	170	Entrepreneurship & Small Bus Mgt.3
		*General Education Elective3
		14

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

Fifth Semester (Spring)		Semester Credits
WMT	250	Laser Cutting Technology3
WMT	251	CNC Machining Station Lab3
WMT	260	Advanced Machining.....4
		*General Education Elective3
		13

Total Credits Required to Graduate (AAS): 64.5

*Dual credit opportunity