



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



JOB PLACEMENT RATE: 100%[†]
TUITION/FEES/LAPTOP: \$18,190*
**DIPLOMA OPTION TUITION/FEES/
LAPTOP: \$9,399**

*(*For two-year AAS degree)*

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 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 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 and Forklift Operation2 |
| 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 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 |
| | | 15 |

| Second Semester (Spring) | | Semester Credits |
|--------------------------|-----|--|
| WMT | 117 | Crane and Forklift Operation2 |
| WMT | 120 | Manufacturing Symbols Measurements ..1 |
| WMT | 121 | Blueprint Reading.....1 |
| WMT | 142 | Welding Economics.....2 |
| WMT | 151 | Welding Lab II.....4 |
| | | 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 |
| | | 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 |
| | | 3 |
| | | 13.5 |

Total Credits Required to Graduate (AAS): 64.5