

# Welding Technology

**Short Description:** This program prepares students for employment in the welding industry. Students study intermediate and advanced Shielded Metal Arc Welding (SMAW) Class-B Pipe Welder, pipe fitting fabrication techniques, advanced Gas Tungsten Arc Welding (GTAW), torch cutting, plasma cutting, carbon arc Stick (steel), TIG and MIG (aluminum, carbon, stainless) and more are all covered in this program.

**Program Purpose:** This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in the welding industry.

The content includes but is not limited to planning, management, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

**Admissions:**

1. Apply to MTC at <https://manateetech.edu/apply-now/>. Submit your application to access your "To-Do List." You are not accepted into the program after applying, you must complete your do list.
2. Complete your "To-Do List" at <https://www.MTCdashboard.net>.

Note: The Basic Skills Assessment must be taken within 6 weeks of you admit date unless exemption criteria have been documented per State Statute. For exemption information, see the Student Handbook located here: <https://www.manateetech.edu/quick-docs/>

**Length of Program:** Full-time 1050 hours – approximately 9 months full-time to complete.  
Part-time 1050 hours – approximately 18 months part-time to complete.

<u>OCP</u>	<u>COURSE</u>	<u>HOURS</u>
A1	Welder Assistant 1 – PMT0070	150
A2	Welder Assistant 2 – PMT0071	150
B1	Welder, SMAW 1 – PMT0072	150
B2	Welder, SMAW 2 – PMT0073	150
C	Welder – PMT0074	450

**Dual Enrollment:** No

**Certification/Licensure:** AWS Certified Welder in- SMAW Steel Plate 3G & 4G, GMAW Steel Plate 3G, FCAW Steel Plate 3G, GTAW Steel Plate 3G, GTAW Stainless Steel 1, 2 or 3G

**CTSO:** SkillsUSA and/or HOSA are the approved cocurricular career and technical student organizations which provide activities for students as an integral part of the instruction by providing leadership training and reinforcing specific career and technical skills.

<b>Program #J400400</b>	<b>CIP# 0648050805</b>
Estimated Tuition, Lab, and Fees ( <i>includes \$60.00 administrative fee</i> )	<b>\$6,314.00</b>
<b>Additional Fees Due Prior to Admittance</b>	
Application Fee	\$45.00
<b>Bookstore</b>	
Uniform*	\$60.00
Textbook (s)*	\$32.35
<b>Additional Required Items (Outside Vendor)</b>	
High top leather boots	\$125.00
Jeans or cotton long pants	\$45.00
<b>Estimated Total Cost of Program</b>	<b>\$6,621.35</b>

**Articulation:** May be available towards credits at Florida public colleges/universities. Speak with a Career Counselor for more information.

**Location:** MTC Main Campus, 6305 State Road 70 East, Bradenton, FL 34203. Tel 941.751.7900

**Start Date:** August, January

**Day Class Start Time:** Monday - Friday, 8:00 a.m. – 3:00 p.m.

**Evening Class Start Time:** Monday-Thursday, 6:00 p.m. – 10:00 p.m.

**For Day/Evening Class Information:** Scan QR CODE at the bottom of document.

***Financial aid available depending on student's eligibility.***

\*Uniforms may be covered, for Pell eligible students once aid has been applied to all tuition & fee charges.

All pre-admission fees are non-refundable and not covered by Financial Aid. \*Prices are subject to change.

Annual fees (charged each academic year from July 1—June 30).

Textbook estimate. Current book list and prices: <https://manateetech.edu/current-students/bookstore/>

Tuition is \$2.92 per hour for Florida residents. Tuition is \$11.71 per hour for non-Florida residents.

<https://www.manateetech.edu/admissions/financial-aid/>



**941.751.7900**

**ManateeTech.edu**