

# Machining Technologies

**Short Description:** This program focuses on the elements of basic machine programming and operation aligned to automation, machining, and manufacturing.

**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 machining positions.

The content includes but is not limited to broad, transferable skills, stresses the understanding of all aspects of the machining industry, and demonstrates such elements of the industry as planning, management, finance, technical and production 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 1500 hours – approximately 13 months full-time to complete.

OCP	COURSE	HOURS
A	Machinist Helper – PMT0020	300
B	Machinist Operator – PMT0022	300
C	Machinist Setup Operator – PMT0024	600
D	Machinist – PMT0025	300

**Dual Enrollment:** Yes

**Certification/Licensure:** National Institute for Metalworking Skills (NIMS) Level 1, Autodesk CAM 2.5 Axis Milling Certification

**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.

**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.

**For More Information:** Scan QR CODE at the end of document.

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

<b>Program #J200100</b>	<b>CIP# 0648050305</b>
Estimated Tuition, Lab, and Fees ( <i>includes \$60.00 administrative fee</i> )	\$5,031.00
<b>Additional Fees Due Prior to Admittance</b>	
Application Fee	\$45.00
<b>Bookstore</b>	
Textbook(s)*	\$257.95
Uniform*	\$80.00
<b>Additional Required Items (Outside Vendor)</b>	
6" Machinist Scale – <i>estimate</i>	\$10.00
Scientific calculator ( <i>must have trigonometry functions</i> ) – <i>estimate</i>	\$25.00
Close-toed shoes ( <i>steel-toed shoes are not required</i> ) – <i>estimate</i>	\$50.00
<b>Estimated Total Cost of Program</b>	<b>\$5,498.95</b>

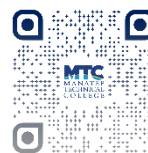
\*Uniforms may be covered, for Pell eligible students once aid has been applied to all tuition & fee charges.

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: <http://manateetech.edu/current-students/bookstore/>

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



**941.751.7900**

**ManateeTech.edu**