

Electrical and Instrumentation Technology 1

Short Description: This program offers technical training to enter the career field of automation as an electrical and instrumentation technician, one of the most sought-after career fields worldwide. Designing automated electrical systems such as elevators, fire sprinklers, traffic lights and HVAC systems. Content also includes Computerized Electrical Controls, Programmable logic controller (PLC’s), industrial and commercial controls in manufacturing and electrical, student-built panels, HVAC controls, process controls and logical thinking and problem solving.

Program Content: 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.

The content includes but is not limited to communication skills, leadership skills, human relations and employability skills, safe and efficient work practices, and the technical training to enter the career field of automation as an electrical and instrumentation technician, one of the most sought-after career fields worldwide.

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 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 1000 hours – approximately 9 months full-time to complete

OCP	COURSE	HOURS
A	Electrician (Construction) – EEV0650	350
B	Instrument Mechanic – EEV0652	350
C	Electrician Maintenance – EEV0654	300

Dual Enrollment: Yes

Certification/Licensure: PMMI Mechatronics Certification: Industrial Electricity 1, PMMI Mechatronics Certification: Industrial Electricity 2

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.

Program #J110100	CIP# 0615040401
Estimated Tuition, Lab, and Fees <i>(includes \$60.00 administrative fee)</i>	\$4,407.00
Additional Fees Due Prior to Admittance	
Application Fee	\$45.00
Bookstore	
Uniform*(two shirts)	\$56.00
Textbook(s)*	\$216.00
Estimated Total Cost of Program	\$4,724.00

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

Start Date: August, January

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

For More 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