

# Diesel Systems Technician 1

**Short Description:** This program focuses on learning and working with various diesel vehicles such as buses, trucks, fire trucks, semis, motorcoaches, heavy equipment, and others. Students engage in hands-on experience with mechanical and electrical systems engines, fuel injection systems, and perform diagnosis, repairs, and preventive maintenance.

**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 Transportation, Distribution and Logistics 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 Transportation, Distribution and Logistics career cluster.

The content includes but is not limited to maintaining and repairing diesel engines and electrical systems; reconditioning diesel fuel injection systems; overhauling diesel engines; and performing diesel engine preventive maintenance.

The course content should also include training in communication, leadership, human relations and employability skills, and safe efficient work practices.

**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 your admission 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 18 months to complete.

OCP	COURSE	HOURS
A	Diesel Engine Mechanic/Technician Helper – DIM0101	150
B	Diesel Electrical and Electronics Technician – DIM0102	300
C	Diesel Engine Technician – DIM0104	300
D	Diesel Brakes Technician – DIM0105	300

**Dual Enrollment:** Yes

**Certification/Licensure:** ASE T6 Medium/Heavy Duty Electrical and ASE T2 Medium/Heavy Truck Technician.

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

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

<b>Program #T650100</b>	<b>CIP# 0647061305</b>
Estimated Tuition, Lab, and Fees ( <i>includes \$60.00 Facility and Equipment Use Fee</i> )	\$4,671.00
<b>Additional Fees Due Prior to Admittance</b>	
Application Fee	\$45.00
<b>Bookstore</b>	
Uniform*(Recommend 2 T- Shirts \$12.00 ea.)	\$24.00
MTC Black/Red Button-Up Shirt (54.00 ea.)	\$108.00
<b>Additional Required Items (Outside Vendor)</b>	
Pens – <i>estimate</i>	\$5.00
Black work boots or shoes (steel-toed optional). <b>MUST</b> be oil and slip resistant.	\$50.00
<b>Estimated Total Cost of Program</b>	<b>\$4,903.00</b>

**Start Date:** August, January  
**Start Time:** Evening: Monday - Thursday, 6:00p.m. – 10:00p.m.  
**For More Information:** Scan QR CODE at the bottom of document.

**Financial aid is available depending on students' eligibility.**  
<https://www.manateetech.edu/admissions/financial-aid/>

Tuition is \$2.92 per hour for Florida residents. Tuition is \$11.71 per hour for non-Florida residents.  
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 cost based on Barnes and Noble price estimate and does not include shipping or tax. Free shipping timeframe is two weeks prior to term start and the first week of the term. Current book list and prices: <https://manateetech.edu/current-students/bookstore/>  
Uniforms may be covered for Pell eligible students once aid has been applied to all tuition & fee charges.



**941.751.7900**

**ManateeTech.edu**