



**2016/2017 Tuition and Fees**  
***Air-Conditioning, Refrigeration, and Heating Technology (HVAC)***

**Program Total Hours: 1350 hours**

**Program Total Weeks: 54 weeks**

**Full Time Session – 450 clock hours per term**

7:50 a.m. to 1:45 p.m.

Tuition	Full Time Adult Vocational Certificate Clock Hour Fee \$2.78 @ 450 clock hours	\$1,251.00
Fees	General Fees (ID Badge)*	\$10.00
	Institutional Operations Fee	\$60.00
	MTC Parking Permit	\$10.00
	Locker	\$9.00
	Lab Fees	\$100.00
	Tool Usage Fee	\$20.00
	Skills USA Dues (Fall term only)	\$35.00
Uniform	HVAC Uniform Shirts*	\$30.00
Required Exams	EPA 608 Universal Exam Fee	\$25.00
	R-410A Exam Fee	\$25.00
	NCCER Registration and Exam Fees**	\$89.90
Text Books	HVAC Level 1 TG PB* 2013 ISBN#9780133402537	\$72.00
	HVAC Level 2 TG PB* 2013 ISBN#9780133404272	\$104.28
	CORE CURRICULUM TG 2009* ISBN#9780136086376	\$58.05
<b>Estimated Term Cost</b>		<b>\$1,899.23</b>

\*Subject to 7% sales tax

\*\* NCCER Registration Fee, NCCER Core Test, NCCER Level 1 Test, NCCER Level 2 Test  
Additional attempts for failed exams may require additional fees

- Tuition and fees are paid each term. Certain costs, such as books, testing fees and some kits, are paid only when required.
- All fees are to be paid prior to class starting date.
- All tuition, fees and book prices are subject to change.
- Tuition and fees for students transferring hours earned while in high school will be determined on an individual basis.
- Additional tools or supplies are required by some programs and are the responsibility of the individual student to obtain. See Instructor for more information.
- For refund policy see MTC Student Catalog.

## Air-Conditioning, Refrigeration and Heating Technology (HVAC) - 1350 hours

Bob Gunkel  
PCS Vocational Certification  
40+ years in field experience

Frank Hurlburt  
PCS Vocational Certification  
27+ years in field experience

### Program Structure

OCP	Course Number	Course Title	Course Length	SOC Code
A	ACR0041	Air-Conditioning, Refrigeration and Heating Helper	250 Hours	49-9021
B	ACR0043	Air-Conditioning, Refrigeration and Heating Mechanic Assistant	250 Hours	49-9021
C	ACR0047	Air-Conditioning, Refrigeration and Heating Mechanic 1	250 Hours	49-9021
C	ACR0049	Air-Conditioning, Refrigeration and Heating Mechanic 2	250 Hours	49-9021
D	ACR0044	Air-Conditioning, Refrigeration and Heating Technician	350 Hours	49-9021

### Program Description

The Air-Conditioning, Refrigeration and Heating Technology Program includes classroom and shop instruction in the basic principles of air conditioning and refrigeration that apply to commercial and residential systems. Students entering this program will develop the basic knowledge and skills for entry level employment as installers or mechanics in the air conditioning, refrigeration and heating industry or provide supplemental training for persons previously or currently employed in this occupation. Both classroom and laboratory work will be necessary for completion of the program. Students will become acquainted with the overall industry and learn the latest employability skills.

### Certifications Available

EPA 608 Refrigerant, R410A Refrigerant, EPA 609 A/C Automotive, NCCER HVAC Level I

### College Credit Award

Program completers may receive articulated credit toward an aligned certificate, A.A.S. or A.S. degree program at participating institutions in the Tampa Bay Career Pathways Consortium. Details may be obtained from the Career Specialist and/or Guidance Counselor.

### Career Information

*Possible direct-entry careers after high school:* Heating, air conditioning and refrigeration mechanic, air conditioning installer helper.

*Possible careers after two years post-secondary training and two years field experience:* Business owner, engineering technician.

*Possible careers after four-year university degree:* Engineer.

### Basic Skills Exit Requirements

TABE Math Level 10

TABE Language Level 9

TABE Reading Level 9

In order to be a program completer, some students must meet minimum math, language, and reading achievement level exit standards on the TABE, unless otherwise exempt, as established by the Florida Department of Education. Additional information can be found on Page 5 of the MTC Catalog and/or obtained from the Office for Adult Technical Education.

### Uniforms

The uniform for this program consists of an MTC HVAC shirt and dark work-type pants. Orders for work shirts will be taken at the start of class. A minimum of two complete uniforms is required to maintain proper hygiene and cleanliness. For safety reasons, it will be necessary to purchase and wear safety glasses and hard leather work shoes with non-skid, oil resistant soles. Proper uniform and safety equipment must be worn every day for participation in program activities. Failure to be in proper uniform will hinder student progress.

### Tools

Basic hand tools and equipment are required for this program. Information regarding tools, brands, and discount prices will be discussed in detail during the first week of class.