

# Refrigeration, Air Conditioning and Heating Service Technician

PROGRAM CODE: 31-401-1



Technical Diploma

**Location:** Oak Creek Campus**Start Dates:** August and January

**Admission Requirement:** High school diploma or equivalent recommended. This program admits students through a waiting list process. Visit the program's webpage at [matc.edu](http://matc.edu) to view the waiting list process and all requirements.

**Academic Preparedness Requirement:** High school-level algebra

**Financial Aid Eligible:** Yes. Use code 003866 at [fafsa.gov](http://fafsa.gov).

## Program Description

Enter a career that emphasizes working with HVAC/R equipment. You will learn to service and install air conditioning, refrigeration and heating equipment.

## Career Outlook

There is an ongoing need for technicians who have current training in the installing, troubleshooting and repair of HVAC/R unit.

## Program Learning Outcomes

- Install HVAC/R components.
- Service HVAC/R systems.
- Troubleshoot HVAC/R systems.
- Evaluate HVAC/R system designs.

**Complete Program Details****QUESTIONS?** 414-297-8901 or [mctpathway@matc.edu](mailto:mctpathway@matc.edu)

## COURSES

## CREDITS

<b>ELECTY-398</b>	Electrical Circuits and Controls for HVAC/R .....	3
<b>ENG-195</b>	Written Communication ‡ .....	3
<b>HVAC1-300</b>	Basic Refrigeration and System Operations.....	4
<b>HVAC1-325</b>	Oil Furnace Service and Maintenance.....	3
<b>HVAC1-332</b>	Math for HVAC Service Technicians .....	2
<b>HVAC1-350</b>	Air Conditioning Principles.....	2
<b>ELECTY-396</b>	HVAC/R Electrical Systems ‡ .....	2
<b>ELECTY-397</b>	Electrical Wiring Methods for Air Conditioning and Refrigeration .....	1
<b>HVAC1-301</b>	Introduction to Refrigeration Servicing and Application ‡ .....	4
<b>HVAC1-326</b>	Gas Furnace Servicing and Maintenance ‡ .....	3
<b>HVAC2-148</b>	Heat Pumps ‡ .....	3

## CREDITS

Total credits needed to complete this diploma

# 30

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at [selfservice.matc.edu](http://selfservice.matc.edu).

This program is accredited by HVAC Excellence

P.O. Box 521, Mt. Prospect, IL 60056

800-726-9696; <https://www.escogroup.org/accreditation/default.aspx>.