



## Program Details

Certificate in HVAC&R Technology

**Duration:** Fall Program - 9 months (September to May)  
or the Spring Program - 8 months (January to August)

**Career focus/specialization:** Energy-Efficient Heat Pumps

HVAC students can continue in Building Energy Management for an AS.

## Overview

Our 800-hour, full-time day or evening Certificate in Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC&R) Technology will provide you with the knowledge and hands-on skills to become a successful HVAC&R technician—with no prior experience needed. Core courses cover refrigeration and heating principles, basic electricity and controls for HVAC&R, safety in the HVAC&R field, and use of HVAC&R tools and equipment. The program provides 100 hours of electrical code training and a minimum of 100 hours of refrigeration theory needed for Massachusetts state licensure. Our program includes the R-410A high-pressure refrigerant certification, OSHA 10-hour safety certificate, NORA bronze oil certification, Massachusetts HOT Work certification, and EPA certification.

## What You Will Learn

- Refrigerant recovery and charging
- Ductless mini split systems
- Installation, maintenance, and troubleshooting of HVAC Systems
- Copper flaring, brazing, soldering, and Zoom Lock™ Techniques
- Principles of refrigeration
- Leak detection and pressure testing

## Career Paths

- HVAC&R Technician
- HVAC&R Installer
- Maintenance Technician
- Refrigeration Technician
- Oil Burner Technician
- Mechanical Technician

## Job Outlook

A boom in construction, increasing climate issues, and the growing emphasis on sophisticated climate-control systems has created strong demand for skilled technicians. Average HVAC&R technician salaries are more than 20% higher in Massachusetts than the national average. (Source: U.S. Bureau of Labor Statistics)



## APPLY TODAY!

41 Berkeley Street, Boston, MA 02116

[franklincummings.edu](http://franklincummings.edu)

[admissions@franklincummings.edu](mailto:admissions@franklincummings.edu)

617.588.1368

# ➤ Higher Education. Lower Obstacles.

## Programs at a glance

### Certificates

- Automotive Technology\*
- Industrial Electronics Technology\*
- HVAC&R Technology\*
- Network & Systems Support\*
- Practical Electricity\*
- Software Development\*

### Associate Degrees

- Automotive Technology
  - Electric Vehicle Technology concentration
- Biotechnology
- Computer Information Technology (3 concentrations)
  - Cybersecurity
  - Network & Systems Support
  - Software Development
- Construction Management
- Engineering Technology (4 concentrations)
  - Manufacturing and Automation Technology
  - Building Energy Management
  - Mechatronics Technology\*
  - Renewable Energy Technology
- Opticianry

### Bachelor's Degrees

- Business Management
- Electrical Engineering

\*College credits earned in this program can be applied (or "stacked") toward a related higher degree at Franklin Cummings Tech.



Here at Franklin Cummings Tech, we prepare our students to meet the ever-evolving needs of the future. Our programs offer students the opportunity to learn beyond textbooks, **make the world better for the next generation**, and experience lifelong career success.

## Top Reasons to Choose Franklin Cummings Tech

### 1 Career-Focused

Our programs prepare you for the future. We help you find careers in high-demand fields, in roles where you will be paid well and can support your family. In fact, most of our programs boast **80-90%** job placement rates. Our partnerships with industry leaders and job fairs lead to real-world experience and careers for our graduates.

### 2 Affordable

Our tuition cost is **less than half** of the average tuition at four-year non-profit colleges or for-profit technical schools in Massachusetts. Here, you can enjoy school and the economic opportunities that come with a degree at a price you can afford. That is why **97% of our students receive financial aid**. Your future matters, especially to us.

### 3 Flexible

We offer day and evening classes to meet your schedule. Some programs take less than a year to prepare you for **immediate entry** into the workforce. When you're ready to continue your education, you can apply (or "stack") your 1-year certificate credits toward an associate or bachelor's degree. This flexibility helps you find a great job, quickly.

### 4 Supportive

**We offer small classes**—with no big lecture halls—allowing you to receive the individualized attention you need to thrive. Success coaches provide you personalized support every step of the way, which is why most Franklin Cummings students finish on time.

We are an Affirmative Action/Equal Opportunity institution that does not discriminate on the basis of age, race, religion, color, creed, national or ethnic origin, sex, sexual orientation, handicap, or disability in its education programs, employment, or in admissions to, access to, or treatment in its programs or activities.