



**Franklin
Cummings
Tech**



HVAC&R Technology

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, tools, and controls for HVAC&R, and safety. You'll even build and operate your own refrigeration system. The program provides 100 hours of electrical code training, 100 hours of refrigeration theory, and the R-410A high-pressure refrigerant certification, OSHA 10-hour safety certificate, NORA bronze oil certification, Massachusetts HOT Work certification, and EPA certification. Also, you can do a second year in Building Energy Management (advanced HVAC Controls) and benefit from a year-long paid co-op with a leading employer with a starting wage of at least \$20/hour,

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

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

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admissions@franklincummings.edu

617.588.1368

 Learn more at franklincummings.edu/HVACR

➤ Higher Education. Lower Obstacles.

Programs at a glance

Certificates

- Automotive Technology*
- Industrial Electronics Technology*
- HVAC&R Technology*
- Practical Electricity*

Associate Degrees

- Automotive Technology
 - Electric Vehicle Technology concentration
- Biotechnology
- Computer Information Technology
 - Cybersecurity Concentration
- Construction Management
- Engineering Technology (3 concentrations)
 - 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 toward a related higher degree at Franklin Cummings Tech.



AFFORDABLE, FLEXIBLE, ATTAINABLE EDUCATION

Your college education only pays off **if** you graduate and find a great career. Franklin Cummings Tech has the best track record — by a wide margin — among any 2-year college in MA in what comes next.

Top 4 Reasons to Choose Franklin Cummings Tech

1 Career-Focused

Most of our students build careers in high-demand fields, in roles where you will be paid well and can support your family. Many students report that they doubled their income as a result of their education. Also, with our co-ops, you can start working and earning in your field after only nine months of school.

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, and we provide over \$5M in additional aid. Here, you can enjoy school and the economic opportunities that come with a degree at a price you can afford.

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 your 1-year certificate credits toward a degree.

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 Tech 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.