

## HVAC CERTIFICATE

Total Credits: 24

Catalog Edition: 2024-2025

### Program Description

(R): 244

**HVAC CERTIFICATE: 244 WAS REPLACED BY BUILDING TRADES TECHNOLOGY CERTIFICATE: 263 AND IS NO LONGER ACCEPTING NEW STUDENTS. ADDITIONALLY, STUDENTS ADMITTED PRIOR TO FALL 2022 WILL NOT BE ABLE TO GRADUATE WITH THIS CERTIFICATE AFTER SPRING 2025. PLEASE CONTACT A [PROGRAM ADVISOR](#) FOR ALTERNATIVE OPTIONS.**

This certificate curriculum prepares individuals for employment or advancement in the HVAC trade of the building and construction industry. A combination of academic and practical instruction will provide individuals with knowledge and skills that are necessary for success in the HVAC profession. Credits may also be applied to the building trades technology AAS degree.

For more information, please visit <https://www.montgomerycollege.edu/academics/programs/building-trades-technology/hvac-certificate.html>

To view the Advising Worksheet, please visit <https://www.montgomerycollege.edu/documents/counseling-and-advising/advising-worksheets/current-catalog/244.pdf>

### Program Outcomes

Upon completion of this program, a student will be able to:

- Demonstrate the ability to work effectively as a team member with various construction trades and personnel.
- Describe effectively the construction process as it applies to residential buildings.
- Apply practical construction skills in HVAC.
- Communicate written, verbal, and visual information as it relates to the HVAC trade.

### Program Advisors

Rockville

- Prof. Martin Kang, 240-567-4050,  
[Murim.Kang@montgomerycollege.edu](mailto:Murim.Kang@montgomerycollege.edu)

2024-2025

# Program Advising Guide

An Academic Reference Tool for Students

# HVAC CERTIFICATE

## Program Requirements

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

### Program Requirements

BLDG 130 - Introduction to the Building Trades *3 semester hours*

BLDG 133 - Building Trades Blueprint Reading *3 semester hours*

BLDG 170 - Fundamentals of Refrigeration *4 semester hours*

BLDG 172 - HVAC Electricity *4 semester hours*

BLDG 174 - HVAC Technician Development *2 semester hours*

BLDG 271 - Heating Systems *4 semester hours*

BLDG 273 - Air Conditioning and Heat Pump Systems *4 semester hours*

**Total Credit Hours: 24**

## Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit <https://www.montgomerycollege.edu/transfer> or <http://artsys.usmd.edu>.

## Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

## Related Careers

Some require a Bachelor's degree.

Energy Auditor, Heating and Air Conditioning Mechanics and Installer, Refrigeration Mechanic and Installer, Home Appliance Repairer.

### Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://www.montgomerycollege.edu/career>

### Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

## Notes: