

YEAR 3

OF HOURS

Trouble Shooting - Gas, Oil,
Electric Heating & Cooling40

Heat Pumps & Heat Pump
Trouble Shooting40

Refrigeration Installation
& Service - Commercial20

Chilled Water Systems –
Cooling Towers & Pumps.20

Boilers & Hydronics.40

YEAR 4

OF HOURS

Wiring Diagrams40

Heat Loss/Gain Calculations.20

Introduction to NEC/HVACR.20

Introduction to Electronics/HVACR20

Introduction to BOCA
Mechanical Code/HVACR20

Blue Print Reading20

Air Distribution Systems –
Balancing & Measuring20

If you are currently working in the hvacr industry or would like to in the future and are interested in enrolling in the Apprenticeship



Applications are available annually on July 1 and due the third week in August. The easiest way to receive an ap-

plication is to print one from our website: www.haccmd.org/apprenticeship.html or feel free to call our office.

APPRENTICESHIP PROGRAM

**Earn While
You Learn**

**Join our apprentice
program and earn your
Journeyman's License
in 4 years**

The Heating & Air Conditioning

Contractors of Maryland is a local trade association representing independent heating, ventilation, air conditioning and refrigeration (hvacr) contractors in Central Maryland.

The **Apprenticeship Program** was established in 1996 to train technicians to work in the hvacr industry. Well trained, reliable technicians are in constant demand in the industry.

You have two options in registering for the Apprenticeship Program. You may choose to enroll as a registered apprentice, which means you will get credit for your classroom training as well as your on-the-job training. You will have to find employment with an hvacr contractor by the start of your second year of classroom training. Upon completion of the program (4 years of classroom training and 8,000 on-the-job training hours) you will be eligible to receive your journeyman license from the State of Maryland without taking the exam.

Your other option is to audit the program. Audit students do not have to be working as technicians in the industry and can choose to enroll in any year of the program.

When and where does the training occur?

Classes are held 2 evenings a week, from September through April, at:

- Carroll Community College, Westminster
- Cecil College, North East
- Harford Community College, Bel Air
- Howard Community College, Columbia

Students work during the day for licensed contractor under the supervision of an experienced journeyman.

YEAR 1	# OF HOURS
Introduction to Trade, Tools & Safety	20
Basic Heating Cycle	20
Basic Math	20
Refrigeration Cycles & Basic Refrigeration	40
Basic Electricity I	20
Basic Electricity II	20
Trade Math	20

YEAR 2	# OF HOURS
Fundamentals of Brazing & Soldering	20
AC/DC Circuits, Electric Motors & Starters	20
Wiring & Testing	20
HVAC Controls - Start Up & Testing	40
Advanced Ref & Pipe Fitting	40
Communication Skills	20

