

HVAC

Federally Approved Apprenticeship Program

Building the Industry Together, One Block at a Time

LEVEL ONE

Introduction to the Trade
Trade Mathematics
Basic Electricity
Introduction to Heating & Cooling
Introduction to Air Distribution Systems
Basic Copper & Plastic Piping Practices
Soldering & Brazing
Carbon Steel Piping Practices

LEVEL TWO

Alternating Current
Compressors
Refrigerants & Oils
Leaks, Evacuation, Recovery, & Charging
Metering Devices
Heat Pumps
Basic Maintenance
Chimneys, Vents, & Flues
Sheet Metal Duct Systems
Fiberglass & Flexible Duct Systems
Commercial Airside Systems
Air Quality Equipment
Introduction to Hydronic Systems

LEVEL THREE

Fasteners, Hardware, & Wiring Terminations
Control Circuit & Motor Troubleshooting
Troubleshooting Cooling
Troubleshooting Heat Pumps
Troubleshooting Gas & Oil Heating
Troubleshooting Accessories
Zoning, Ductless, & Variable Refrigerant Flow
Commercial Hydronic & Steam Systems
Retail Refrigeration Systems
Customer Relations

LEVEL FOUR

Water Treatment
Indoor Air Quality
Energy Conservation Equipment
Building Management Systems
System Air Balancing
System Start Up & Shutdown
Construction Drawings & Specifications
Heating & Cooling System Design
Commercial/Industrial Refrigeration Systems
Alt/Specialized Heating & Cooling Systems
Fundamentals of Crew Leadership

CORE CURRICULA

Basic Safety
Introduction to Construction Math
Introduction to Hand Tools
Introduction to Power Tools
Introduction to Construction
Drawing

Basic Rigging
Basic Communication Skills
Basic Employability Skills
Introduction to Material
Handling

PROGRAM FEATURES

Federally registered apprenticeship program
4-year program (includes CORE curricula 1st year)
144 classroom hours per year

Combine theory & knowledge-based assessments
8000 on-the-job training hours

Hands-on training ensures you have the skills you need to succeed
PPE required for all classes

CLASS SCHEDULE

September through April

Week night classes from 5:00 - 8:00PM

Virtual Options Available

KANSAS CITY EASTERN MISSOURI

Enrollment period begins in July
Apply online at www.abcksmo.org/apply



ABC Heart of America utilizes NCCER (National Center for Construction Education & Training) training curriculum for all HVAC apprenticeship training classes.

CRAFT

TRAINING

ADDRESS

Kansas City Training Facility
4035 Denton Road
Kansas City, MO 64133



CONTACT US

816.994.5990
training@hoa.org
www.abchoa.org