

Industry Credentials, Concentration Sequences, and Career Clusters

Heating, Ventilation, Air Conditioning, and Refrigeration I (8503)

Industry Credentials:

These apply only to 36-week courses

- Air Conditioning Service Examination
- College and Work Readiness Assessment (CWRA+)
- Core: Introduction to Basic Construction Skills Assessment
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- EPA Technician Examinations
- Gas Heating Service Examination
- HBI Pre-Apprenticeship Certificate Training (PACT) Assessments: Building Construction Technology Examination
- HBI Pre-Apprenticeship Certificate Training (PACT) Assessments: Core Examination
- HBI Pre-Apprenticeship Certificate Training (PACT) Assessments: Green Core Examination
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments: Building Construction Technology Advanced
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments: Building Construction Technology Basic
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments: HVAC Installer Basic
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments: HVAC Service Technician Advanced
- Heat Pump Service Examination
- Heating, Electrical, Air Conditioning Technology (HEAT) Examination
- Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) Assessment
- Heating, Ventilation, and Air Conditioning (HVAC) Assessment
- HVAC Excellence Employment Ready Examinations
- HVAC Excellence Specialty Examinations
- HVAC Level One Assessment
- Installer (or Service) Core (HVAC/R) Examination

- International Code Council Residential Mechanical (HVAC) Inspector (M1) Examination
- National Career Readiness Certificate Assessment
- Professional Communications Certification Examination
- Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Heating, Ventilation, Air Conditioning, and Refrigeration II

Career Clusters, Career Pathways, and Occupations:

- Architecture and Construction
 - Construction
 - Construction Manager
 - Electrician
 - General Contractor
 - Project Manager
 - Design/Pre-Construction
 - Cost Estimator
 - Maintenance and Operations
 - HVAC and Refrigeration Mechanic or Installer
- Energy
 - Energy Efficiency
 - HVAC and Refrigeration Mechanic or Installer
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Mechanical Engineer