



HVAC Training

Core Curriculum

- Tools for Success (4 Hours)
- Introduction to Basic Safety (5 Hours)
- Introduction to Hand Tools (4 Hours)
- Introduction to Power Tools (4 Hours)
- Introduction to Blueprints (5 Hours)
- Basic Rigging (8 Hours)
- Basic Communication Skills (4 Hours)
- Basic Employability Skills (12 Hours)
- Work Ethic / Soft Skills
- 10 Hour OSHA Safety Training
- Drug Testing

HVAC- Level I

- Introduction HVAC (7 Hours)
- Trade Mathematics (21 Hours)
- Tools of the Trades (7 Hours)
- Copper and Plastic Piping Practices (14 Hours)
- Soldering and Brazing (24.5 Hours)
- Ferrous Metal Practices (17.5 Hours)
- Basic Electricity (28 Hours)
- Introduction to Cooling (42 Hours)
- Introduction to Heating (28 Hours)

HVAC – Level III

- Planned Maintenance (21 Hours)
- Troubleshooting Gas Heating (14 Hours)
- Troubleshooting Electric Heating (7 Hours)
- Troubleshooting Oil Heating (7 Hours)
- Troubleshooting Cooling (21 Hours)
- Troubleshooting Heat Pumps (14 Hours)
- Troubleshooting Accessories (7 Hours)
- Troubleshooting Electronic Controls (7 Hours)
- Hydronic Heating and Cooling Systems (28 Hours)
- Airside Systems (14 Hours)
- Air Properties and Air System Balancing (21 Hours)

HVAC – Level II

- Air Distribution Systems (10.5 Hours)
- Chimneys, Vents, and Flues (7 Hours)
- Maintenance Skills for the Service Technician (17.5 Hours)
- Alternating Current (14 Hours)
- Basic Electronics (14 Hours)
- Electric Heating (7 Hours)
- Introduction to Control Circuit Troubleshooting (28 Hours)
- Accessories and Optional Equipment (7 Hours)
- Metering Devices (7 Hours)
- Compressors (14 Hours)
- Heat Pumps (14 Hours)
- Leak Detection, Evacuation, Recovery, and Charging (21 Hours)

HVAC– Level IV

- Construction Drawings and Specifications (28 Clock Hours)
- Indoor Air Quality (14 Clock Hours)
- Energy Conservation Equipment (10.5 Clock Hours)
- Building Management Systems (17.5 Clock Hours)
- Water Treatment (10.5 Clock Hours)
- System Startup and Shutdown (24.5 Clock Hours)
- Heating and Cooling System Design (28 Clock Hours)
- Commercial and Industrial Refrigeration (28 Clock Hours)