

## PROGRAM COMPETENCIES

- Safety Training
- Basic Hand and Power Tools and Tool Safety
- Refrigerant Safety
- Specialty Tools of the Industry
- Introduction to Blueprints and Construction Drawing
- Trade Mathematics
- Basic Communication Skills
- Working Independently and as a Team Member
- Basic Piping Practices
- Brazing and Soldering Techniques
- Gas Piping Techniques
- Electrical Theory
- Heating and Refrigeration Theories
- Introduction to Heating
- Introduction to Cooling
- Service and Troubleshooting Techniques
- Air Distribution Systems
- Measuring Air Flow
- Basic Sheet Metal Fabrication
- CPR/First Aid Training
- 10-Hour OSHA Certification
- EPA 608 Certification
- NCCER Core Training
- NCCER HVAC Level I Certification

## PROGRAM COMPETENCIES

- Review Safety
- Review Theories and Basic Principles of an HVAC System
- Performing a Successful Service Call
- System Diagnostics and Repairs
- Electrical Versus Mechanical Problems
- System Designs and Considerations
- Developing a Business Plan (Optional)
- Basic Accounting Practices
- Legal and Ethical Business Practices
- Advanced Sheet Metal Lay-Out
- Estimating Time and Materials to Install an HVAC System
- Installation of HVAC Systems
- Working as a Team Member on a Construction Site
- Introduction to Commercial Air Conditioning Systems and Components
- Preparation for the Industrial Certification Exam
- NCCER HVAC Level II Certification