



Understanding Gas and Electric Furnaces Syllabus

Description: This 3-day course is designed to give all levels of technicians a deeper understanding of gas and electric furnaces, with ample time to gain hands-on practice in our training lab.

Level of Student: Beginning to Advanced

Tuition: Includes registration, course materials, and lunch.

Objectives:

- Understand gas furnace operation
- Understand electric furnace operation
- Understand dual fuel operation
- Understand venting efficiencies in relation to carbon monoxide
- Understand how to determine true operational efficiency
- Understand heat transfer in furnace applications
- Understand proper venting of 80% & 90%+ efficient gas furnaces
- Understand how to apply the best install practices
- Understand how to perform maintenance and safety checks
- Understand how to wire and troubleshoot accessories
- Understand the effects of duct work deficiencies on system operation
- Understand the application and selection of equipment

Course Content:

- Segment 1: Motors
- Segment 2: Theory, Venting, & Heat Exchangers
- Segment 3: Install
- Segment 4: Accessories, Start Up and Maintenance

To register for this class, visit HBTI's website www.hvacinstitute.com or call the office at (253) 638-7797.