



Refrigerant Cycle and Charging Syllabus

Description: This 3-day course is designed to help all levels of technicians better understand the refrigerant cycle as it relates to both service and installation. There will be a mix of classroom and hands-on training so that students can practice what they are learning.

Level of Student: Beginning to Advanced Service & Installation Technicians

Tuition: Includes registration, course materials, and lunch.

Objectives:

- Understand refrigeration cycle and heat transfer
- Understand refrigeration system components and their function
- Understand proper installation techniques
- Understand how to maintain job site safety
- Develop communication skills with the homeowner
- Diagnose and repair common refrigeration challenges

Course Content:

- Segment 1: Superheat and Sub-cooling, System Components and Function
- Segment 2: Brazing and Use of Nitrogen, Vacuum Pump and Micron Gauge Use, Recovery Machine Use
- Segment 3: Application of Accessories, Troubleshooting Common Refrigeration Failures

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