

## HVAC I Pacing Guide

- I. First Nine Weeks
  - a. Classroom
    - i. Safety
      - 1. Fire
      - 2. Electrical
      - 3. Ladder
      - 4. Tool
      - 5. Blood borne Pathogen
      - 6. Lock out/Tag out
    - ii. Tool Usage and Familiarization
    - iii. Refrigeration History
    - iv. Refrigeration Cycle
  - b. Shop
    - i. Simple Tool Use Exercises
    - ii. Sheet Metal Fabrication
    - iii. Pipe Fabrication
      - 1. PVC
      - 2. Black Iron
      - 3. Copper
- II. Second Nine Weeks
  - a. Classroom
    - i. EPA 608 Certification
  - b. Shop
    - i. Refrigerant Recovery
    - ii. Brazing and Soldering
    - iii. Evacuation
    - iv. Leak Detection
- III. Third Nine Weeks
  - a. Classroom
    - i. Basic Electricity
    - ii. Print Reading
    - iii. Schematic Symbols
    - iv. Component Descriptions
  - b. Shop
    - i. Table Top Wiring
    - ii. Wiring Residential Unit from scratch
    - iii. Wire Soldering
    - iv. Terminal Connection Exercises

- IV. Fourth Nine Weeks
  - a. Classroom
    - i. Creating Wiring Diagrams
    - ii. Refrigerant System Component Details
    - iii. Thermostat Wiring/Operation/Programming
  - b. Shop
    - i. Component Identification and Testing
    - ii. Thermostat Exercises
    - iii. Troubleshooting and Diagnosis