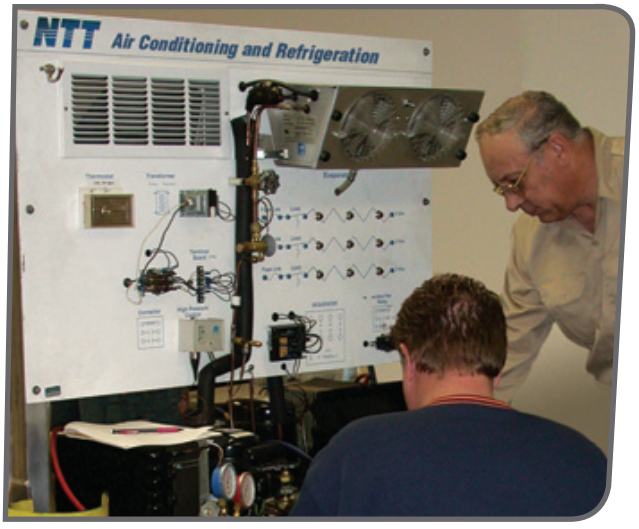
AIR CONDITIONING 2-DAY CLASSROOM

Maintaining air conditioning and refrigeration systems is two fold. Troubleshooting and immediate action is required to repair issues as they occur. And proper preventive maintenance can lessen the frequency of the problems and lengthen equipment life.

This course helps technicians with both scenarios in an environment that simulates maintenance issues that occur in the real world.

Upon request, we offer free 608, 410A EPA and HVAC Excellent Technician Certificate testing at the end of this class.



CLASS FORMAT:

Classroom

STANDARD CLASS SIZE:

NTT recommends a class of 12 participants to obtain the best results.

NTT PROVIDES:

- 2 days (16 contact hours) of on-site instruction
- Participant textbooks and lab manuals
- Classroom consumables
- Completion certificates
- Shipping and instructor travel logistics

CLIENT PROVIDES:

- Classroom of 750 square feet or greater
- Projection screen, white board and/or flip chart(s)

SHIPPING:

3 crates at 2,600 lbs

- 2 crates @ 38” x 52” x 81” = 1,000 lbs each
- 1 crate @ 64” x 44” x 38” = 600 lbs

NTT Training

AIR CONDITIONING 2-DAY CLASSROOM

COURSE AGENDA | 2-Day Classroom

CONDITIONING & REFRIGERATION OVERVIEW

- Theory of refrigeration
- Compression refrigeration cycle

TOOLS AND TEST EQUIPMENT

- Gauge manifold assembly
- Electronic leak detector
- Multimeter
- Clamp-on meter

REFRIGERANTS & REFRIGERANT OILS

- Characteristics of refrigerants
- Importance of refrigeration rables
- Handling and storing refrigerants
- Section 608 of the Clean Air Act
- Regulatory requirements
- Recovery, recycling, and reclaiming

COMPRESSORS

- Types of compressors
- Principles of operation

EVAPORATORS

- Types of evaporators
- Operation of the evaporator in a refrigeration or air-conditioning system

METERING DEVICES

- Effects of capillary tube length and size
- Thermostatic expansion valves

CONDENSERS

- Types of condensers
- Operation of the condenser in a refrigeration or air-conditioning system

PIPING AND ACCESSORIES

- Tubing
- Liquid receivers
- Sight glass
- Filter driers

HEAT PUMP THEORY AND COMPONENTS

- Compressor
- Evaporator
- Condenser
- Reversing valve