

# WINTER 2012

## CLASS SCHEDULE



### Basic Refrigeration

**When:** Six Wednesdays **Date:** Jan. 11 - Feb. 15 **Time:** 5:30 - 8:30 p.m.  
**Instructor:** Jerry Hurwitz **Fee:** \$395.00

#### Who Should Attend

Facility maintenance workers, HVAC installation mechanics, and beginning HVAC service technicians who would like to gain a basic understanding of the mechanical refrigeration cycle and how it is applied to small HVAC units.

#### Course Objectives

- Become familiar with the refrigeration cycle, including superheat, subcooling, and the saturation point.
- Master the four major components of the refrigeration cycle.
- Learn the properties of refrigerants, including the pressure/temperature relationship.
- Work with tools and test equipment on an operating air conditioning unit.
- Learn how to diagnose common air and mechanical problems on an operating system (electrical troubleshooting will not be covered).
- Learn basic methods of charging refrigerant.
- Learn to properly evacuate a system.

#### Required Class Materials (To be supplied by student)

**Needed for first class:** Three ring notebook, paper, pen and hi-liter (*orange, blue, green, yellow*).

#### Needed for third class:

- Basic hand tools including refrigeration gauges.
- 2-Probe thermometers.
- Safety glasses.

*This class does not provide EPA certification*

### Computers for the HVAC Technician - Introduction

**When:** Six Tuesdays **Date:** Jan. 17 - Feb. 21 **Time:** 5:30 - 8:30 p.m.  
**Instructor:** Huy Nguyen **Fee:** \$395.00

#### Who Should Attend

Facilities and service technicians who want to learn basic computer functions, vocabulary, and technology.

#### Course Objectives

- Understand major hardware components of a computer system.
- Basic overview of Windows OS and its native applications and tools.
- Understand basic network connections.
- Connecting to a network and sharing files.
- Basic web browsing usage and understanding the internet.
- Basic knowledge of Microsoft Word and Excel: Input data and creating flyers and graphs.

#### Required Class Materials (To be supplied by student)

#### Needed for first class:

- Notebook paper and pen/pencil for note taking.
- Laptop for in-class activities and homework exercises.

*Lecture slide presentations will be provided*

**Registration Deadline: JAN. 4**

**Registration Deadline: JAN. 10**



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San Jose, CA 95112

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Please enroll me in the following class(es)

- Basic Refrigeration**  
**Date:** Jan. 11 - Feb. 15, 2012
- Computers for the HVAC Technician - Introduction**  
**Date:** Jan. 17 - Feb. 21, 2012

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Phone \_\_\_\_\_ Home Phone \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

#### REFUND POLICY

- Enrollment is transferable until the first day of class.
- Enrollment fee, less \$50.00, is refundable up to the FRIDAY prior to the first class.
- No refunds shall be made after FRIDAY prior to the first class.

#### PAYMENT POLICY

Please complete this enrollment form and return it with your check payable to A.I.R. Due to limited class size, placement cannot be guaranteed until payment is received. We accept personal or company checks, but we cannot take credit cards.

*A.I.R. reserves the right to cancel at any time prior to start of the seminar (with full refund to applicants).*

Total Enclosed \$ \_\_\_\_\_

Call Connie at (408) 920-0662 ext. 110 with any questions.