

## **SER111** **Residential A/C Lab**

*Hands-on approach to A/C installation and Start-up  
Work on and observe a live start-up and Set-Up*

### **Course Content**

The best way to learn about installing and starting residential air-conditioning systems is to do it on a live system. Work with other technicians at the Auer Steel Lab using time tested procedures endorsed by Carrier and Bryant for start up and set-up. This program complies with Focus on Energy recommended start-up and set-up recommendations and fulfills the State of Wisconsin requirement for "Best Practice" status.

### **Who Should Attend**

Installation and service technicians who are new to the industry or those who wish to have a refresher in air conditioning equipment start up techniques and operating sequences.

### **What You Will Learn**

- Proper charging procedures
- Electrical check out procedures
- How to determine proper air-flow
- Tune up methods and techniques
- System adjustment

### **What You Will Get**

- Service manual for Carrier/Bryant condensing units
- Charging Calculator
- Lunch and refreshments will be served

**Program Duration - 3 Hours**

## **SER112** **Residential Basics A/C**

*Learn the very basics of air-conditioning systems  
Understand the elements of human comfort  
Learn the differences between R-22 and Puron*

### **Course Content**

This 3 hour **video-based** program covers the basics of air-conditioning installation and start-up. In addition it provides a basic understanding of the elements that comprise human comfort. After each video Ed leads a question/answer session.

### **Who Should Attend**

Technicians and others who are new to the industry or who wish to have a refresher in the basics of air-conditioning.

### **What You Will Learn**

- Typical A/C system components
- Proper air flow requirements and recommendations
- Attic installation tips
- Proper charging procedures
- R-22 uses & characteristics vs Puron
- Human Comfort Characteristics

### **What You Will Get**

- Super Heat Calculator
- Application Guide and Service Manual
- Start up information sheet
- Guide to calculating Super Heat and Sub Cooling
- Lunch will be provided

**Program Duration - 3 Hours**