

# Compressor Operation and Service Seminar



*Hands-on learning and practical knowledge that can help you build your business!*

This intensive and in-depth three-day program shows you how to adopt proper techniques and practices for the real-world environment with completely updated material and more emphasis on the latest technology. It includes overall system design, field service and troubleshooting skills, the latest Copeland™ compressor technology and applications, and a valuable failure analysis hands-on tear-down. Results include better customer service, more accurate diagnosis and more effective repairs to eliminate costly callbacks and increase technician productivity.

*“Best compressor class of all!”*

– A. Ullrich, Major Heating and A/C

## Course Agenda

### Day 1

- Good service practices
- System Components
- Refrigerants and oils
- Compressor fundamentals
- Motor applications electrical handbook

### Day 2

- Refrigerant-cooled compressors
- Reciprocating/Welded compressors
- Scroll compressors
- Air cooled compressors

### Day 3

- Mechanical causes
- Teardown and analysis of failure
- Corrections



*Every seminar offered from Educational Services is led by an Emerson certified instructor. The curriculum is carefully developed to provide a thorough and comprehensive educational experience.*

Education You Can Build On



**EMERSON**  
Climate Technologies



# Program Details



## Who should attend

- Refrigeration Service Contractors
- Light Commercial Service Contractors
- End User Service Technicians
- Installer Contractors
- Service Managers
- Facilities Engineers

## What to expect:

- Completely updated material
- Includes latest technologies and regulations
- Engaging multimedia training visuals
- Emphasis on field service and troubleshooting skills
- Led by industry-recognized Emerson certified instructors
- Comprehensive take-home participants manual
- FREE online access to references materials, apps and more

## What you'll take home:

In addition to what you'll learn at the training event, you'll also take home all of the literature and training materials provided in the class including:

- Participant Manual
- Technical Data Sheets
- Online Product Information (OPI)
- Electrical Handbook
- Experience on many mobile apps.

## Take Advantage of Our Hospitality

Your meals are included. Enjoy breakfast, lunch and refreshments each of the three days you're with us.

## Continuing education credits:

- 24 hours of NATE-recognized continuing education credit towards recertification in air conditioning, air distribution, refrigeration and heat pump installation and service.
- Educational Services is authorized by IACET to offer 2.1 CEUs for each program.

## One of the Lowest Fees in the Industry

\$695 is all it costs to attend this intensive and in-depth three-day event.

## MORE Specialized Technology Days

### INSTRUCTOR-LED TRAINING COURSES

- Compressor and System Troubleshooting (1 day)
- Compressor Applications and Technologies (2 days)
- Compressor Operation and Service Seminar – C.O.S.S. (3 days)
- E2 Controller Workshop (1 or 3 days)
- Failure Avoidance and System Technologies – AC F.A.S.T. (1 day)
- Hands-on Hermetic Simulator Technology Day Hermetic Compressor (2 days)
- Hands-on AC /Refrigeration Simulator Technology Day (1 day)
- Residential Scroll (1/2 day)
- Supermarket (2-day)
- Wal-Mart EMS Certification (3 days)

### ONLINE TRAINING COURSES

- Air Conditioning and Refrigeration Basics
- Compressor Operation and Mechanical Failure
- Digital Controllers
- Digital Compressors
- E2 Series
- Electrical Series
- Thermostatic Expansion Valves Series... and many more online

### A Location Near to You

Emerson Educational Services C.O.S.S. training is available throughout North America in various locations. Check for the nearest location by going to education. [EmersonClimate.com](http://EmersonClimate.com) and click on Instructor led courses.

Authorized by IACET to offer  
2.1 CEUs for this program



We Train  
Technicians for



### Educational Services – We have the resources to deliver

Technical training is more important than ever. Emerson's Educational Services group delivers comprehensive training programs that not only cover essential service skills, they also keep you up-to-date on emerging technology. From hands-on seminars to online tools, Emerson provides the training you need, at a time and place that fits your schedule. Emerson is also a proud supporter of industry associations and certification programs.

### Emerson instructors – Recognized industry leaders

Every Emerson Climate Technologies course is led by an Emerson certified instructor. With exceptionally broad knowledge and understanding of refrigeration principles, technology and the industry as a whole, each of our instructors has extensive hands-on experience, and an innate understanding of the contractor's business, needs and concerns.