

# Compressor Applications & Technologies



## Step up to the challenge!

The HVAC/R industry is creating energy efficient solutions through technology, but technology is only one piece of the puzzle. To realize the promise of energy efficient applications, technicians must know more about the compressor and system components. This intensive two-day program will help you provide better service to your customers through increased knowledge of new technologies, compressor troubleshooting, internal functions and applications for Copeland™ compressors, and better utilization of new tools through the contractor website.

### Topics covered include:

- Compressor application overview
- Compressor motor and system protection
- Copeland PerformanceAlert™ diagnostics
- Comfort Alert™ diagnostics
- Copeland Scroll Digital™ compressors
- Copeland Discus™ Digital compressors
- Copeland digital compressor controllers
- Copeland Scroll™ variable speed compressors
- Emerson approved and recommended retrofit refrigerants
- Contractor Connection website
  - Online Product Information (OPI)
  - Software downloads
  - Mobile applications
- Intelligent Store™ and CoreSense™ technologies
- Introduction of E2 system controllers
  - Refrigeration/building/convenience store



*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 this two-day program?

Air conditioning and refrigeration technicians (new and experienced), as well as contractors, end users (service), installers, service managers and facilities engineers.

## Hospitality:

A light breakfast, lunch, and refreshments will be provided.

## Continuing education credits:

- 16 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 1.4 CEUs for each program.

## Training materials provided:

- Participant manual
- Technical data sheets
- Electrical Handbook
- Comfort Alert™ CD
- Online Product Information (OPI)

## Fee:

- \$550 per course

## Location:

Various locations throughout North America



## MORE Specialized Technology Days

For course schedules and registration information, visit [Education.EmersonClimate.com](http://Education.EmersonClimate.com) or call 800-748-2779

### Scroll Compressor

- Refrigeration Basics
- Additional System Components
- Refrigerants and Oils
- Scroll Technology Fundamentals
- Scroll Applications

### Compressor & System Troubleshooting

- Compressor Troubleshooting
- Refrigeration and Compressor Fundamentals
- Refrigeration System Troubleshooting
- Electrical Component Troubleshooting

### Hands-On AC/Refrigeration Simulator

- Hands-on system training tailored to meet your needs
- Programmable to trigger specific installation, operations, and maintenance issues
- Complete working system includes critical components such as compressor, motor, valves, sensors, and controls

Authorized by IACET to offer 1.4 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.

# Education.EmersonClimate.com

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