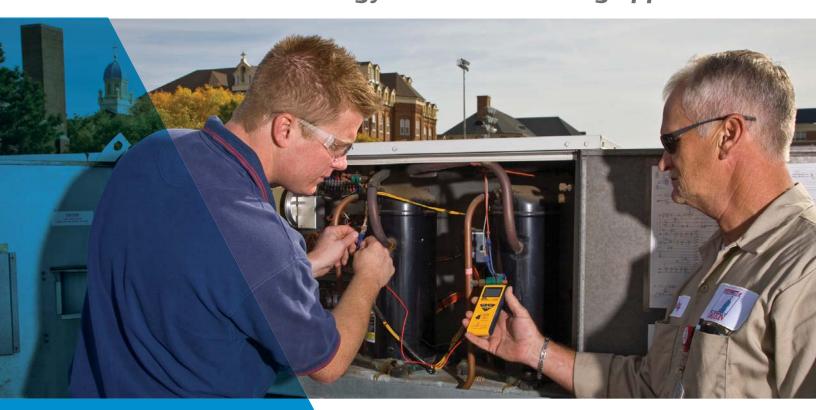# Compressor Technologies for Air Conditioning

This course provides an in-depth look at the technology used in today's residential and commercial air conditioning systems. During the course, participants will examine the ways regulation, efficiency requirements and customer comfort needs are impacting the technology used in HVAC systems and learn about compressor capacity modulation strategies used to meet these demands. Participants will learn about the design and operation of Emerson system components, including Copeland Scroll™ compressors and CoreSense™ technology. The course also reviews HVAC system troubleshooting and provides participants with resources they can use on-the-job to gather information and solve problems as well as resources they can share with customers.

Course Topics

- Understanding the AC Cycle
- Compressor Technologies
- Scroll Components
- Internal Scroll Safety Controls

- AC Scroll Applications and System Accessories
- Copeland Scroll™ Two-Stage
- Variable Speed Scroll

- Digital Technologies
- Compressor Failure Modes
- Online Tools and Mobile Applications

Be proficient – and successful – with scroll technology in air conditioning applications!

Education You Can Build On

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Program Details

Who should attend?

- Air Conditioning Technicians
- Refrigeration Technicians
- Contractors
- Installers
- Service Managers
- Facilities Engineers

What to expect:

- Improved customer service leads to greater customer satisfaction and retention
- More accurate diagnosis and troubleshooting
- More effective repairs – with fewer costly callbacks
- Increased technician productivity – more calls per day mean more capacity for growing your business

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
- Compressor Product Guide
- Temperature Pressure Chart

Take advantage of our hospitality

Your meals are included. Enjoy a light breakfast, lunch and refreshments while you're with us.

A location near you

Emerson Educational Services training is available throughout North America in various locations. Check for the nearest location on **Education.Emerson.com** under **Instructor Led Courses**.

$**395** is all it costs to attend this event!

Recognized industry leaders

Emerson's Educational Services group delivers comprehensive training programs that cover essential service skills and 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.

Every course is led by an Emerson instructor with extensive hands-on experience, and an innate understanding of the contractor's business, needs and concerns.

Continuing education credits:

- 8 hours of NATE-recognized continuing education credit towards recertification in air conditioning, air distribution, and heat pump installation and service.

800-748-2779

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