

Residential Scroll

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

Scroll technology has revolutionized the HVAC/R industry with energy efficient systems. This course will provide you with the knowledge you need to be proficient - and successful - with this advanced technology. Proper scroll service techniques and practices are presented clearly and with valuable insights into how to apply them efficiently in the real-world service environment. Copeland Scroll™ compressor training also covers new refrigerant technologies, proven troubleshooting techniques and practices, and today's advanced systems technology which enables communication and coordination among various system components.



Benefits for your business:

- 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

Topics covered include:

- System Fundamentals
- Refrigerants and Oils
- Applicable Environmental Regulations
- Scroll Technology Principles and History
- Scroll Components
- Scroll vs. Reciprocating Design
- Compressor Failure Modes
- Internal Scroll Safety Controls
- Scroll Compressor Change Out
- AC Scroll Applications
- Digital Technologies
- Copeland Scroll™ UltraTech™ Applications
- Variable Speed Scroll
- Online Tools and Mobile Applications



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 4-hour program?

HVAC/R service and installation technicians and managers who troubleshoot air conditioning/heat pump systems that use scroll compressors.

Continuing education credits:

- 4 hours of NATE-recognized continuing education credit towards recertification in air conditioning, air distribution and heat pump installation and service.
- Educational Services is authorized by IACET to offer 0.4 CEUs for each program.

Training materials provided:

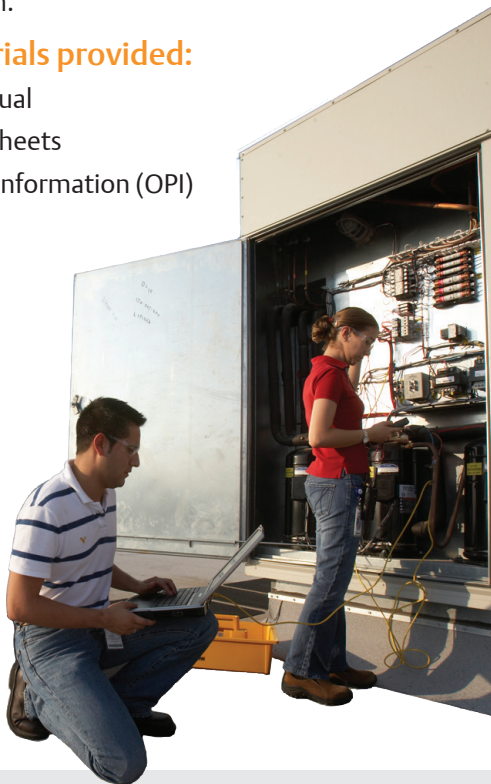
- Participant manual
- Technical data sheets
- Online Product Information (OPI)

Fee:

\$100

Location:

Various locations throughout North America



MORE Specialized Technology Days

For course schedules and registration information, visit Education.EmersonClimate.com or call 800-748-2779

Compressor Applications & Technologies

- Compressor Protection
- Compressor Modulation
- Retrofit Refrigerants
- Introduction to E2 System Controllers

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

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0.4 CEUs for
this program



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.

We Train
Technicians for



NATE
Certification

Education.EmersonClimate.com

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