

Scroll Compressor Technology

Want to take advantage of all that scroll technology has to offer? – then this course is for you!

Whether your application is air conditioning or refrigeration, this course provides a comprehensive overview of scroll compressors and their varying applications, then follows up with proven troubleshooting techniques and practices. Implementing these practices is sure to save your customer maintenance and operational costs. Now, how's that for customer satisfaction?



Topics covered include:

- System fundamentals
- Refrigerants and oils
- Applicable environmental regulations
- Scroll technology principles and history
- Scroll components
- Compressor failure modes
- Internal scroll safety controls
- Scroll compressor change out
- A/C scroll applications
- Refrigeration scroll applications
- Digital technologies
- UltraTech™ applications
- Variable speed scroll
- Economized vapor injection
- 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 one-day program?

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

Hospitality:

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

Continuing education credits:

- 8 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 0.7 CEUs for each program.

Training materials provided:

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

Fee:

- \$395 per course

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 and 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

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.

Authorized by
IACET to offer
0.7 CEUs for
this program



We Train
Technicians for



NATE
Certification

Education.EmersonClimate.com

2007ES-110 R12 (01/16) Emerson and UltraTech are trademarks of Emerson Electric Co. or one of its affiliated companies. ©2016 Emerson Climate Technologies, Inc. All rights reserved. Printed in the USA.

EMERSON. CONSIDER IT SOLVED.™