

Turn to the Pros

BRAZING AND SOLDERING TRAINING



North American Technician Excellence (NATE,) headquartered in Arlington, VA., was founded in 1997 and is the nation's largest non-profit certification organization for heating, ventilation, air conditioning and refrigeration technicians. NATE is the only technician certification organization governed, owned, operated, developed and supported by the HVACR industry.

OUTLINE FOR HVACR NATE RECOGNIZED PROGRAM

CREDITS EARNED

The course CEH indicates the approximate number of hours the course should last period.

3 CONTINUING EDUCATION HOURS (CEH)

Training course with lecture/discussion/demonstration.

Hands on brazing participation. NATE course number 5272-0005

TOPICS IN ALL SESSIONS:

- Brazing and Soldering Basics – capillary action, wetting
- Brazing and Soldering Preparation – cutting, cleaning, reaming, (copper tube)
- Brazing and Soldering Equipment – oxy/acetylene & air-fuel, operation and safety
- Importance of purging with nitrogen during brazing
- Brazing filler metals – phosphorus copper alloys – properties and applications, (copper and copper to brass)
- Brazing filler metals – high silver alloys – properties and applications, (copper, steel, brass, bronze, stainless steel)
- Solder filler metals – properties and applications
- Aluminum solder and brazing products
- Fluxes for soldering and brazing – types, purpose, application, and post-braze/solder cleaning
- Base metals – properties and filler metal selection
- Heating technique and filler metal application

All attendees must sign a NATE Official Recognized Provider Attendance Record.

Harris will provide a certificate of completion to each person.

This course applies to the following NATE course outlines:

INSTALLER

ACIN Air Conditioning – Air to Air
HPIN Heating – Reverse Cycle Air to Air
HGIN Heating Hydronics – Gas
RLIN Light Commercial Refrigeration
RCIN Commercial Refrigeration

SERVICE

ACSV Air Conditioning – Air to Air
HPSV Heating – Reverse Cycle Air to Air
RLSV Light Commercial Refrigeration
RCSV Commercial Refrigeration

LOCATION: MASON, OHIO HARRIS HEADQUARTERS

4501 Quality Place
Mason, OH 45040

OR ON-SITE (YOUR LOCATION)

CONTACT: BRIAN HENDERSON

EMAIL: BRIAN_HENDERSON@LINCOLNELECTRIC.COM

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