



**NANCE UNIVERSAL HVACR TECHNICAL SCHOOL**  
**AIR CONDITIONING / REFRIGERATION/ EPA CERTIFICATION/REFRIGERANT RECOVERY TRAINING**  
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## DUBAI

August 3-7, 2009 and August 10-14, 2009

The Hotel address has changed due to renovations at the Towers Rotana to:

**Al Murooj Rotana - Dubai**  
**Al Safa Street off Sheikh Zayed Rd./P.O. Box 117546, Dubai, U.A.E.**  
**T: +971 (0)4 321 1111 F: +971 (0)4 321 5555**  
**[almurooj.hotel@rotana.com](mailto:almurooj.hotel@rotana.com)**

Please email the following email address for the booking or any reservation queries : **[groups.towers@rotana.com](mailto:groups.towers@rotana.com)**

Room Rate: Dhs 350.00 + 20% taxes on Bed and Breakfast basis on single occupancy

All companies must set up a direct billing with the Towers Rotana Hotel for lodging cost for student.

Please state that they are part of the UNIVERSAL HVACR TECHNICAL SCHOOL./ NANCE SCHOOL group.

**Please contact Rami for visas.** Transit visas can be organized within 5 working days.

**Recommendation:** Class is appropriate for anyone involved in the maintenance, troubleshooting and/or repair of air conditioning and refrigeration equipment. This seminar is especially recommended for anyone in the offshore drilling, oil production, marine maintenance, petrochemical, refinery, manufacturing, transportation and institutional industries. Includes technician training for EPA certification.

**Cost:** \$2250. USD – **Five-Day Seminar** (lunches, textbooks, tests, EPA Approval Certificate and wallet cards included). Tuition does not include: Lodging, meals, (except lunch on class days) & transportation for student.

Past students who wish to retest for EPA Certification may do so on Friday **Cost: \$200.** USD.

*Cancellation of classes must be made 21 days prior to the first day of class. Any time after this, payment will be applied to any future scheduling.*

### **Job Skills Topics:**

1. Safety, people, equipment and products
2. How the refrigeration system really works
3. What each component does
4. Processing a system prior to charging
5. Demonstration of refrigerant recovery, dehydration and charging
6. Refrigerants used
7. Is the system working, as it should?
8. Effective ways of leak testing
9. How to troubleshoot compressors
10. Accessories and how they work
11. Pump down, repair and replacement of compressors
12. Air and/or water flow requirements
13. Tools and instruments required
14. Approved preventative maintenance
15. Practical troubleshooting
16. Collecting and analyzing data
17. Systematically isolating refrigeration problems
18. Eliminating original cause of component failure
19. Clean up procedures after a compressor burnout
20. Causes of compressor failure
21. Eliminating flood back and slugging problems
22. Problems in air distribution
23. Montreal Protocol
24. EPA update
25. Refrigerant transition and recovery program
26. Alternative refrigerants and changeover procedures
27. Technician testing for EPA certification