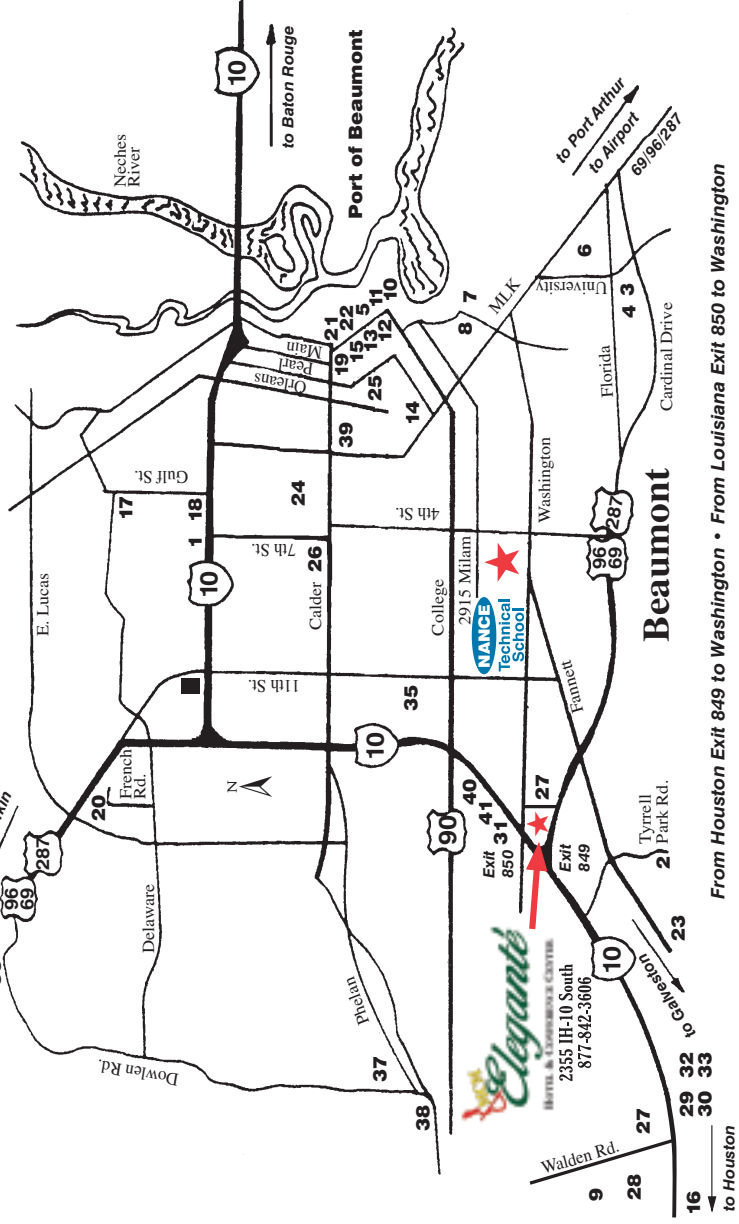


## BEAUMONT POINTS OF INTEREST

1. Visitor Information Center
2. Tyrrell Park
3. Gladys City Spindletop Boomtown
4. Lucas Gusher Monument
5. Riverfront Park
6. Lamar University
7. Clifton Walking Beam
8. Temple To The Brave
9. Post Office
10. Port Of Beaumont
11. Police - Municipal Court Bldg.
12. Beaumont Public Library
13. Tyrrell Historical Library
14. St. Anthony's Cathedral
15. Energy Museum
16. Fair Park
17. Brown & Scurlock Galleries
18. Babe Didrikson Zaharias Memorial Museum
19. Beaumont Art Museum
20. Beaumont Heritage Society
21. Art Museum of Southeast Texas
22. Fire Museum
23. Clifton Steamboat Museum
24. McFaddin-Ward House
25. Crockett Street Plaza
26. Old Town Restaurants & Shops
27. MCM Elegante Hotel
28. Pappadeaux Seafood Kitchen
29. Tinseltown Theater
30. Cheddars Restaurant
31. Carrabba's
32. Joe's Crabshack
33. Johnny Carino's Italian Restaurant
34. Willy Ray's Bar-b-q



From Houston Exit 849 to Washington • From Louisiana Exit 850 to Washington

## 2012 SEMINAR SCHEDULE


| S                | M  | T  | W  | T  | F  | S  | S | M | T | W | T | F | S | S |
|------------------|----|----|----|----|----|----|---|---|---|---|---|---|---|---|
| <b>JANUARY</b>   |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 1                | 2  | 3  | 4  | 5  | 6  | 7  |   |   |   |   |   |   |   |   |
| 8                | 9  | 10 | 11 | 12 | 13 | 14 |   |   |   |   |   |   |   |   |
| 15               | 16 | 17 | 18 | 19 | 20 | 21 |   |   |   |   |   |   |   |   |
| 22               | 23 | 24 | 25 | 26 | 27 | 28 |   |   |   |   |   |   |   |   |
| 29               | 30 | 31 |    |    |    |    |   |   |   |   |   |   |   |   |
| <b>MAY</b>       |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 1                | 2  | 3  | 4  | 5  |    |    |   |   |   |   |   |   |   |   |
| 6                | 7  | 8  | 9  | 10 | 11 | 12 |   |   |   |   |   |   |   |   |
| 13               | 14 | 15 | 16 | 17 | 18 | 19 |   |   |   |   |   |   |   |   |
| 20               | 21 | 22 | 23 | 24 | 25 | 26 |   |   |   |   |   |   |   |   |
| 27               | 28 | 29 | 30 | 31 |    |    |   |   |   |   |   |   |   |   |
| <b>SEPTEMBER</b> |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 2                | 3  | 4  | 5  | 6  | 7  | 8  |   |   |   |   |   |   |   |   |
| 9                | 10 | 11 | 12 | 13 | 14 | 15 |   |   |   |   |   |   |   |   |
| 16               | 17 | 18 | 19 | 20 | 21 | 22 |   |   |   |   |   |   |   |   |
| 23               | 24 | 25 | 26 | 27 | 28 | 29 |   |   |   |   |   |   |   |   |
| 30               |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| <b>FEBRUARY</b>  |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 5                | 6  | 7  | 8  | 9  | 10 | 11 |   |   |   |   |   |   |   |   |
| 12               | 13 | 14 | 15 | 16 | 17 | 18 |   |   |   |   |   |   |   |   |
| 19               | 20 | 21 | 22 | 23 | 24 | 25 |   |   |   |   |   |   |   |   |
| 26               | 27 | 28 | 29 |    |    |    |   |   |   |   |   |   |   |   |
| <b>JUNE</b>      |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 3                | 4  | 5  | 6  | 7  | 8  | 9  |   |   |   |   |   |   |   |   |
| 10               | 11 | 12 | 13 | 14 | 15 | 16 |   |   |   |   |   |   |   |   |
| 17               | 18 | 19 | 20 | 21 | 22 | 23 |   |   |   |   |   |   |   |   |
| 24               | 25 | 26 | 27 | 28 | 29 | 30 |   |   |   |   |   |   |   |   |
| <b>OCTOBER</b>   |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 1                | 2  | 3  | 4  | 5  | 6  |    |   |   |   |   |   |   |   |   |
| 7                | 8  | 9  | 10 | 11 | 12 | 13 |   |   |   |   |   |   |   |   |
| 14               | 15 | 16 | 17 | 18 | 19 | 20 |   |   |   |   |   |   |   |   |
| 21               | 22 | 23 | 24 | 25 | 26 | 27 |   |   |   |   |   |   |   |   |
| 28               | 29 | 30 | 31 |    |    |    |   |   |   |   |   |   |   |   |
| <b>MARCH</b>     |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 4                | 5  | 6  | 7  | 8  | 9  | 10 |   |   |   |   |   |   |   |   |
| 11               | 12 | 13 | 14 | 15 | 16 | 17 |   |   |   |   |   |   |   |   |
| 18               | 19 | 20 | 21 | 22 | 23 | 24 |   |   |   |   |   |   |   |   |
| 25               | 26 | 27 | 28 | 29 | 30 | 31 |   |   |   |   |   |   |   |   |
| <b>APRIL</b>     |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 1                | 2  | 3  | 4  | 5  | 6  | 7  |   |   |   |   |   |   |   |   |
| 8                | 9  | 10 | 11 | 12 | 13 | 14 |   |   |   |   |   |   |   |   |
| 15               | 16 | 17 | 18 | 19 | 20 | 21 |   |   |   |   |   |   |   |   |
| 22               | 23 | 24 | 25 | 26 | 27 | 28 |   |   |   |   |   |   |   |   |
| 29               | 30 |    |    |    |    |    |   |   |   |   |   |   |   |   |
| <b>JULY</b>      |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 1                | 2  | 3  | 4  | 5  | 6  | 7  |   |   |   |   |   |   |   |   |
| 8                | 9  | 10 | 11 | 12 | 13 | 14 |   |   |   |   |   |   |   |   |
| 15               | 16 | 17 | 18 | 19 | 20 | 21 |   |   |   |   |   |   |   |   |
| 22               | 23 | 24 | 25 | 26 | 27 | 28 |   |   |   |   |   |   |   |   |
| 29               | 30 | 31 |    |    |    |    |   |   |   |   |   |   |   |   |
| <b>AUGUST</b>    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 5                | 6  | 7  | 8  | 9  | 10 | 11 |   |   |   |   |   |   |   |   |
| 12               | 13 | 14 | 15 | 16 | 17 | 18 |   |   |   |   |   |   |   |   |
| 19               | 20 | 21 | 22 | 23 | 24 | 25 |   |   |   |   |   |   |   |   |
| 26               | 27 | 28 | 29 | 30 | 31 |    |   |   |   |   |   |   |   |   |
| <b>NOVEMBER</b>  |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 4                | 5  | 6  | 7  | 8  | 9  | 10 |   |   |   |   |   |   |   |   |
| 11               | 12 | 13 | 14 | 15 | 16 | 17 |   |   |   |   |   |   |   |   |
| 18               | 19 | 20 | 21 | 22 | 23 | 24 |   |   |   |   |   |   |   |   |
| 25               | 26 | 27 | 28 | 29 | 30 |    |   |   |   |   |   |   |   |   |
| <b>DECEMBER</b>  |    |    |    |    |    |    |   |   |   |   |   |   |   |   |
| 2                | 3  | 4  | 5  | 6  | 7  | 8  |   |   |   |   |   |   |   |   |
| 9                | 10 | 11 | 12 | 13 | 14 | 15 |   |   |   |   |   |   |   |   |
| 16               | 17 | 18 | 19 | 20 | 21 | 22 |   |   |   |   |   |   |   |   |
| 23               | 24 | 25 | 26 | 27 | 28 | 29 |   |   |   |   |   |   |   |   |
| 30               | 31 |    |    |    |    |    |   |   |   |   |   |   |   |   |

**BRAZIL (MACAÉ) May 7 - 11 • May 14 - 18 • Sep 24 - 28 • Oct 1 - Oct 5**

**OVERSEAS SESSIONS**

**DUBAI Jun 18 - 22 • Jun 25 - 29 • Oct 15 - 19 • Oct 22 - 26**

**SINGAPORE Mar 5 - 9 • Mar 12 - 16 • Aug 20 - 24 • Aug 27 - 31**



UNIVERSAL HVACR TECHNICAL SCHOOL

**2012 SCHEDULE**  
leslie@nanceschool.com  
www.nanceschool.com

PHONE (409) 838-6127  
FAX (409) 838-6219

**BASIC**  
EPA CERTIFICATION & REFRIGERANT RECOVERY

**ADVANCED**  
TROUBLESHOOTING

**ELECTRICAL**  
OVERSEAS SESSIONS

**We Certify Technicians to Meet EPA Requirements**  
**NEW! Basic Electrical for Air Conditioning and Refrigeration**

**2012  
Training Schedule**

UNIVERSAL TECHNICAL SCHOOL  
Air Conditioning • Refrigeration  
P.O. Box 5444  
Beaumont, TX 77726



**NANCE**  
UNIVERSAL HVACR  
TECHNICAL SCHOOL  
2915 Milam  
Beaumont, TX 77701  
Phone 409-838-6127  
Fax 409-838-6219  
Registration: leslie@nanceschool.com  
Sales: kathy@nanceschool.com  
WEBSITE: www.nanceschool.com

# TRAINING SCHEDULE 2012

**Air Conditioning and Refrigeration Training for the Offshore Drilling, Production, Transportation, Refining, Petro-Chemical and Maritime Industries**

**World-Wide**



# SEMINAR SCHEDULE

## January 2012 - December 2012

The following seminars are held at our facility in Beaumont, Texas – “Home of the Spindletop Gusher.” Thousands of students have successfully completed **NANCE** training at our facility and overseas. We can bring the training to you at YOUR LOCATION, or you can send your people to us for extensive classroom and laboratory training.

- **Basic Air Conditioning and Refrigeration**
- **EPA Certification & Refrigerant Recovery**
- **Advanced Air Conditioning and Refrigeration**
- **Troubleshooting Air Conditioning and Refrigeration**
- **Basic Electrical for Air Conditioning and Refrigeration**
- **Overseas Sessions (see calendar)**
- **Custom Classes Upon Request**

**FACILITIES:** Modern 25x30 classrooms with the latest in audio and visual aids, together with a 1000 sq. ft. laboratory containing working systems to train students in all types of applications from hermetic type compressors to heavy industrial open types. Working systems, both air and water cooled, are used to provide “hands-on” learning. Air distribution techniques can be fully demonstrated as well.

**DRESS:** Normal work clothes for both classroom and lab work.

**CLASS HOURS:** From 7:30 a.m. until 4:30 p.m.

**LOCATION:** **NANCE** 2915 Milam, Beaumont, Texas 77701

**TUITION:** Is due on or before the first day of class. Tuition does not include meals, lodging, or transportation.

**LODGING:** We recommend:

|  |   |
|--|---|
|  | 2355 IH-10 South • Beaumont, TX 77705<br>Phone: 409-842-3600<br>Fax: 409-842-0023<br>Toll Free: 877-842-3606<br>www.mcmelegante.com |
|--|---|

We can arrange accommodations for you.  
Call NANCE at 409-838-6127

**NOTE: Cancellation must be made 7 days prior to the first day of class. Any time after this, payment will be applied to any future scheduling. (Except for overseas class cancellation which is 21 days)**

- **Cut Repair Cost • Reduce “Down-Time”**
- **Maximize Equipment Efficiency**
- **Meet EPA Requirements**



**UNIVERSAL HVACR TECHNICAL SCHOOL**  
Registration: [leslie@nanceschool.com](mailto:leslie@nanceschool.com)  
Sales: [kathy@nanceschool.com](mailto:kathy@nanceschool.com)  
Website: [www.nanceschool.com](http://www.nanceschool.com)

**Phone 409-838-6127 • Fax 409-838-6219**

## BASIC AIR CONDITIONING AND REFRIGERATION

**Recommendation:** Class is appropriate for electricians or mechanics who are going to maintain air conditioning and refrigeration systems, but who have only limited experience or training in HVACR. Twenty-five (25%) percent of this seminar is “hands on” experience in the laboratory.

**Sessions:** (See schedule)

**Cost:** \$1585.00 – Four Day Seminar (study materials included)

**Job Skills Topics:**

1. Definitions
2. Refrigerant pressure - temperature chart analysis
3. Basic refrigeration cycle
4. Compressors - in mechanical refrigeration systems
5. Condensers - construction, characteristics and types
6. Evaporators - construction
7. Refrigerant flow controls - types, functions and adjustments
8. Refrigerants - new EPA Approval
9. Basic electricity for refrigeration
10. Soldering/Brazing - system assembly, procedure and repair
11. Leak detection
12. Recovery and charging of systems and other service techniques
13. Scheduled maintenance

## EPA CERTIFICATION AND REFRIGERANT RECOVERY

**Recommendation:** This seminar in Refrigerant Recovery and Recycling is designed for people who repair, maintain or install equipment that contains or will contain when charged, CHLOROFLUOROCARBON (CFC's R-11, R-12, R-502) or HYDROCHLOROFLUOROCARBON (HCFC's R-22, SUVA 123). The proper method of recovery and recycling of these refrigerants is covered using state-of-the-art equipment.

**Sessions:** (See schedule)

**Cost:** \$298.00 - One Day Seminar (lunch, study guide, EPA exam included)

**Job Skills Topics:**

1. General Information
2. Safety precautions
3. Definitions
4. Laws and directives
5. Refrigerant pumpdown
6. Recovery and recycle, reclaiming
7. Review of available equipment
8. Practice test
9. Examination for certification
10. EPA approved wallet cards and certificate for successful participants

## ADVANCED AIR CONDITIONING AND REFRIGERATION

**Recommendation:** Class is appropriate for those already involved in repair and maintenance of air conditioning and refrigeration equipment. Fifty (50%) percent of this seminar is “hands on” experience in the laboratory. Prerequisite: Basic A/C and refrigeration course.

**Sessions:** (See schedule)

**Cost:** \$1695.00 - Five Day Seminar (study materials included)

**Job Skills Topics:**

1. Review of refrigeration systems
2. Superheat and subcooling calculation
3. Refrigerant oils
4. Accessories - where they are used and how they work
5. Cycle controls - mechanical, electrical and electronic
6. Refrigerant system cycle controls - compressor system loading and unloading adjustments
7. Pump-down and repair of system components on low pressure side including refrigerant flow controls
8. Dehydration and evacuation procedures
9. Water-cooled condensers and cooling towers
10. Advanced electrical schematic reading
11. Airside problems, psychometrics, capacity calculation
12. Troubleshooting the system
13. Scheduled maintenance

## TROUBLESHOOTING AIR CONDITIONING AND REFRIGERATION SYSTEMS

**Recommendation:** Those attending this seminar should have prior on-the-job experience, as well as some technical training in HVACR. Seventy-Five (75%) percent of this seminar is “hands on” experience in the laboratory. Prerequisite: Basic and Advanced courses.

**Sessions:** (See schedule)

**Cost:** \$1795.00 - Five Day Seminar (training material included)

**Job Skills Topics:**

1. Review of refrigeration systems, including the refrigeration cycle, accessories, water and air-cooled systems and electrical control
2. Piping layout and oil problems
3. Collecting and analyzing data
4. Troubleshooting the entire system - electrical and refrigeration
5. Cleaning up after a compressor burnout
6. Preventing future compressor failures
7. Systematic ways of eliminating refrigerant and electrical problems
8. Air analysis, problems and measurements
9. Capacity calculation
10. Detecting and eliminating floodback and slugging problems
11. Tuning up your system for maximum efficiency

## NEW!

## BASIC ELECTRICAL FOR AIR CONDITIONING AND REFRIGERATION

**Recommendation:** Most problems in HVACR systems are electrical. This is a basic class for those that do **not** have electrical experience. The three-day class begins with fundamentals of electrical and advances to basic electrical troubleshooting techniques. The course will discuss how to diagnose, troubleshoot and repair common components found in HVACR systems. The lab portion of the course includes wiring basic circuits; troubleshooting components and troubleshooting operating systems. The course will show the learner how to use troubleshooting tools such as the voltmeter, ohmmeter and ammeter. This is a vital class to learn the basics of electricity and troubleshooting.

**Prerequisite:** None.

**Sessions:** (See schedule)

**Cost:** \$1495.00 - (training material included)

**Job Skills Topics:**

1. Electrical safety
2. Electrical fundamentals
3. Understanding electrical symbols
4. Reading electrical diagrams
5. Basic diagnostic, troubleshooting and repair skills
6. Troubleshooting HVACR components such as fuses, transformers, contactors, relays, capacitors, and thermostats
7. Troubleshooting fan and pump motors
8. Troubleshooting compressor motors
9. Troubleshooting HVACR systems
10. Learning to apply Ohm's Law
11. Wiring basic air conditioning circuits
12. Using electrical diagrams to troubleshoot
13. Planning the troubleshooting process

## OVERSEAS SESSIONS

**Brazil (Macaé) - May 7-11 • May 14-18 • Sep 24-28**

**Oct 1-5**

**Dubai - Jun 18-22 • Jun 25-29 • Oct 15-19 • Oct 22-26**

**Singapore - Mar 5-9 • Mar 12-16 • Aug 20-24 • Aug 27-31**

**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:** \$2495.00 - Five-Day Seminar (lunch, study guide, textbook, EPA exam included)

**Job Skills Topics:**

1. Safety, people, equipment and products
2. How the refrigeration system works
3. Component function and purpose
4. Processing a system prior to charging
5. Demonstrations of refrigerant recovery, dehydration and charging
6. Refrigerants
7. Elements of a properly working system
8. Effective ways of leak detection
9. How to troubleshoot compressors
10. Accessories and how they work
11. Pumpdown, repair and replacement of compressors
12. Air and/or water flow requirements
13. Tools and instruments required
14. Scheduled 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. Eliminating floodback and slugging problems
21. Problems in air distribution
22. Refrigerant transition and recovery program
23. Alternative refrigerants and conversion procedures

**WE CAN PROVIDE AN HVACR PROGRAM ADAPTED TO YOUR NEEDS... ANYWHERE WORLDWIDE... ANY TIME... AT YOUR CONVENIENCE**

[kathy@nanceschool.com](mailto:kathy@nanceschool.com)

## A HISTORY

In 1976, recognizing the increasing complexity of HVACR equipment and the cost and time involved in obtaining on-shore contractor service personnel, NANCE created the Nance Universal HVACR Technical School. From the beginning, its charter has been to provide operations personnel within the offshore industry with the tools and training necessary to increase the quality of maintenance, make minor repairs and perform basic diagnostic tests on the equipment for which they are responsible. The school teaches the basic theories of the refrigeration cycle, provides an understanding of the functions of system components and addresses the EPA requirements involved in operating and servicing HVACR equipment.

The school has been a resounding success, with more than 300 students per year having attended the various courses offered. Each of these technicians returned to their jobs better equipped to maximize equipment performance, extend equipment life and reduce operating costs through better maintenance and on-site minor repairs.

The school's training provides an immediate return on investment, and Nance is proud of its role in helping make the offshore industry more profitable and more efficient.

