



Norman S Wright

Norman S Wright CO  
Manufacturer's Representatives

Phoenix Tucson  
602-275-4467 520-790-4490

<http://nswhvacz.com>



## Advanced System Diagnostics

Some of the topics will be:

- NATE Course ID # 9210-0003, 4 CEU Hr.
- Characteristics of dynamic load with conventional HVAC system
- Effects of humidity on comfort and possible sources/remedies
- Relative Humidity and humidification
- Humidity & comfort
- Factors in operating cost of a residential system
- System cycle rate and overall performance
- Airflow characteristics for common unitary systems and diagnostic tips
- Common airflow issues
- Field airflow measurements



This seminar is intended for;

- Anyone who wants a greater understanding of the structure as part of the system

Consider attending if you ever;

- had a system operating correctly but wouldn't keep up
- had a system operating correctly but had an increase in operating cost
- had comfort issues from too much/little humidity
- had comfort issues from air balance problems

Tuesday October 7<sup>th</sup> 2014, 3pm to 7pm

Location: Norman S. Wright, 2917 E. Ganley Rd. Tucson, 85706

Seminar presented by Daryl Royse

No charge. This seminar is provided free of charge to Norman S. Wright customers.

Please make sure all attendees who wish to claim their NATE CEU's bring their NATE ID numbers with them.

See last page for registration information.



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## Refrigeration 101

Some of the topics will be:

- NATE Course ID # 9210-0004, 4 CEU Hr.
- Review of common medium & low temp system components
- General overview of Built In systems and Stand Alone systems
- Control systems often found in use
- General operating characteristics of the various components
- Basic service procedures for low & medium temp work
- General maintenance tips
- Part replacement guidelines



This seminar is intended for;

- Technicians new to low & medium temp work
- Technicians who've been away from low & medium temp work for some time
- Technicians with infrequent exposure to this type of equipment

Tuesday October 14<sup>th</sup> 2014, 3pm to 7pm

Location: Norman S. Wright, 2917 E. Ganley Rd. Tucson, 85706

Seminar presented by Daryl Royse

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## **NATE Core Review and Test**

The most recognized national certification in the HVACR industry. NATE is the only certification supported by all the major equipment manufacturers. NATE is also the most consumer recognized certification!

**9am – noon = Review**

**12:00 – 12:30 = Lunch (provided)**

**12:30 – 3pm = Review**

**3pm – 5pm NATE Test**

**Pizza, pop and materials provided.**

**Tucson, Thursday – October 23<sup>rd</sup> 2014 from 9am to 5pm, Norman S. Wright. 2917 E. Ganley Rd, 85706**

**Review by Daryl Royse**

**To become NATE certified you must pass the NATE Core exam and the Specialty exam of your choice. You may apply your successful Core exam status to multiple Specialty exams. To become certified in Gas Heating Service and Heat Pump Service, you must pass one Core exam, the Gas Heat Service exam and the Heat Pump Service exam.**

**To enroll, please fill out the signup sheet and send to Kristi at fax 602-275-6516 or email [khs@nswvacaz.com](mailto:khs@nswvacaz.com)**

**Fee for above (includes exam) = \$200 per person**

**Exam fees must be paid prior to exam, sign ups must be in 10 day prior to exam**

**We enter the technician information from the signup sheet into the data base when we order the test. If the technician has tested in the past with NATE, be sure to list their name as it was on the previous test. IE; prior test record under Bill Smith and now signing up as William Smith.**



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## **NATE Heat Pump Review and Test**

The most recognized national certification in the HVACR industry. NATE is the only certification supported by all the major equipment manufacturers. NATE is also the most consumer recognized certification!

9am – noon = Review

12:00 – 12:30 = Lunch (provided)

12:30 – 3pm = Review

3pm – 5pm NATE Test

Pizza, pop and materials provided.

Tucson, Thursday – October 30<sup>th</sup> 2014 from 9am to 5pm, Norman S. Wright. 2917 E. Ganley Rd, 85706

Review by Daryl Royse

To become NATE certified you must pass the NATE Core exam and the Specialty exam of your choice. You may apply your successful Core exam status to multiple Specialty exams. To become certified in Gas Heating Service and Heat Pump Service, you must pass one Core exam, the Gas Heat Service exam and the Heat Pump Service exam.

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\*Please complete one form per seminar



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**Tucson Training**



**Norman S. Wright – 2917 E. Ganley, Tucson 85706**

Registration is first come first serve. To register, complete the following and fax to 602-275-6516 or email to Kristi [khs@nswvacaz.com](mailto:khs@nswvacaz.com)

Seminar Name: \_\_\_\_\_ Date: \_\_\_\_\_

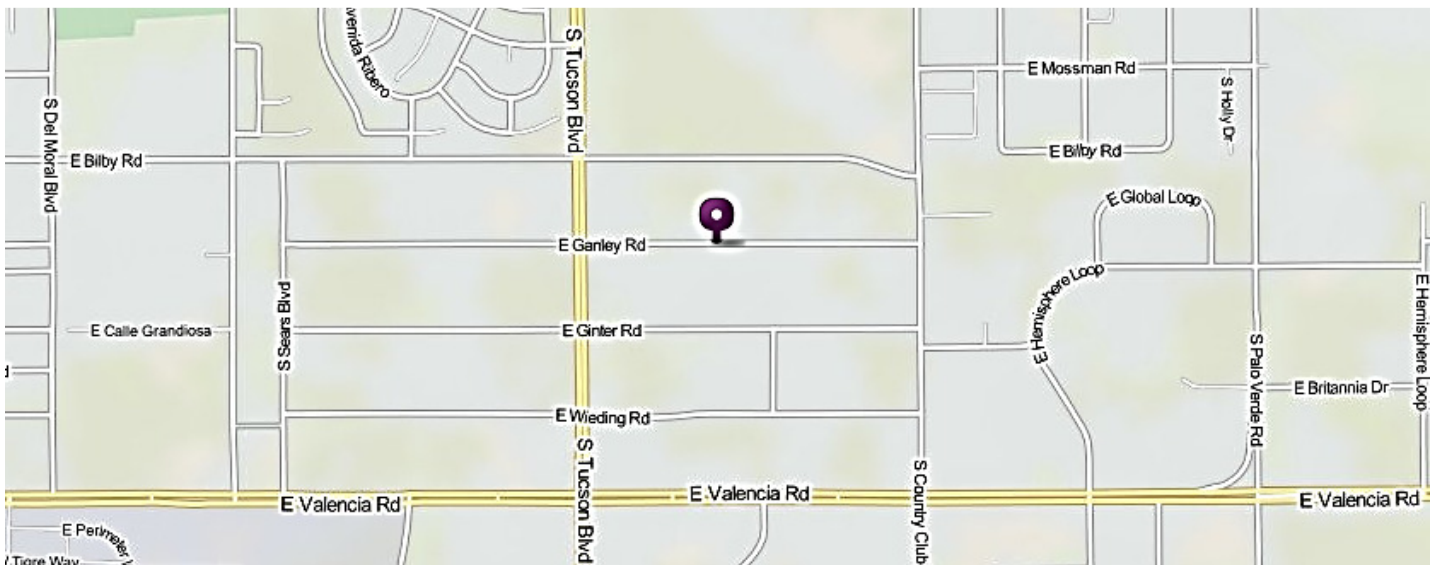
Company Name: \_\_\_\_\_

Number attending \_\_\_\_\_

Names of attendees:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contact person: \_\_\_\_\_ Phone number \_\_\_\_\_



**Norman S. Wright – 2917 E. Ganley, Tucson 85706**