



## ADVANCED AIR CONDITIONING AND REFRIGERATION

**Recommendation:** Class 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. Basic class plus certification are prerequisite.

**Sessions:** (See schedule)

**Cost:** Please Contact Leslie (Ph: 409-898-4319 or [leslie@nanceschool.com](mailto:leslie@nanceschool.com))

### **Job Skills Topics:**

1. Review of refrigeration systems
2. Super-heat and sub-cooling 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 unloading and stand-by units, adjustment how-to
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. Air side problems, psychometrics, capacity calculation
12. Troubleshooting the system
13. Preventative maintenance