

HVAC SYSTEM DESIGN



2 DAYS - 16 HOURS 7AM – 3:30PM
\$399.00 per student / NEFI Member
\$499.00 per student / Non-member
(Total amount includes a 5% non-refundable application fee)
May 5 & 6, 2009 (Register by April 29, 2009)
at
New England Fuel Institute, Education Foundation
20 Summer Street, Watertown, MA 02472
Tel: 617-923-5019 Fax: 617-924-5962 Email: school@nefi.com



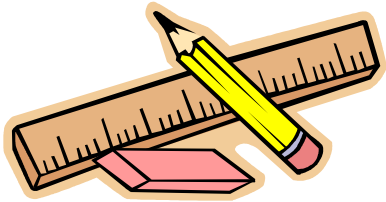
**A complete course in the design of HVAC systems with an emphasis on oilfired equipment.
Gain the knowledge and professional skills to design today's state-of-the-art
heating and air conditioning systems.**

The course will review how to gather the data required to perform computerized heat-loss and heat-gain calculations to determine the actual residential HVAC loads and the necessary equipment requirements. Equipment selection and sizing for new hydronic and warm air heating systems is examined along with replacement guidelines for older systems including steam. The course also covers compliance with State Building and Mechanical Codes. Special section on how chimneys and codes affect replacement installations. Pipe sizing, duct sizing and specialty equipment sizing will also be examined as well as how to properly match distribution systems to heat exchangers and achieve the highest profit using the smallest equipment. The sizing of domestic hot water producers using both conventional and high-tech equipment and techniques for proper and adequate supply will also be discussed along with some basic post installation troubleshooting. The sizing of equipment and distribution units using printed tables and computers will be examined. Students who have laptops and loaded programs are encouraged to bring them.



**Instructor:
George Lanthier**

**This class is NORA
Certified for 16 CEU's**



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Employer: _____ Phone: _____

Business Address: _____

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Credit Card Payment, please check one: VISA MasterCard American Express

Name on Card _____

Card No: _____ - _____ - _____ Exp. Date _____ - _____

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Billed: Amount: _____ Date: _____ Inv. No. _____