

# ASHRAE – PHILADELPHIA CHAPTER

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND  
AIR-CONDITIONING ENGINEERS, INC. PHILADELPHIA CHAPTER

## **BASIC HVAC SYSTEM DESIGN COURSE**

This is a demanding one-year course that introduces students to the fundamentals of HVAC design. Classroom activities will include lectures and problem solving sessions, supplemented by home reading and study assignments.

### **2016-2017 Course Subjects Include:**

Fundamentals and Psychrometrics  
Load and Heat Transfer Fundamentals  
Load Calculations  
Pumps, Piping & Piping Systems  
Basic Steam & Boilers  
Fans, Air Distribution & Duct Design  
Refrigeration  
Controls & Instrumentation  
Equipment Selection

**The class is a great way to further, or even begin, a career in HVAC.**

Classes will meet Tuesdays and Thursdays from 6:15 PM to 8:30 PM beginning in October and continuing until the middle of March. Classes will be held in Center City Philadelphia. Students are responsible for transportation and parking costs.

The Basic Class tuition is \$1,200 (\$1,000 for ASHRAE Members who have paid both their National and Philadelphia Chapter dues). Tuition includes all course materials.

Class size is limited to 30 students. To enroll, complete and submit the application including a **non-refundable** deposit of \$200 payable to “Philadelphia Chapter ASHRAE”. Balance due at first course session.

If you would like to enroll or receive further information, please contact:

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