

# STATIONARY ENGINEERS APPRENTICESHIP SCHOOL

## REGISTRATION INFORMATION

FALL 2010

**WHERE:** Houston Community College  
1301 Alabama Room 208

**WHEN:** Tues., Wed., and  
Thursday  
Aug. 3, 4, & 5

**TIME:** 5:00 p.m. to 7:00 p.m.

**COST:** \$200 First Time Student  
BOMI Registration Fee.

Courses 1, 2, 3, 4 & 5  
\$650.00 per each course.

Courses 6, 7 & 8 are  
\$750.00 per each course.

All tuition fees are due at time  
of registration. Books may not be  
issued until payment received

Allow additional time for filling  
Out required forms.

### COURSE INFORMATION SMT Designation

#### COURSE 1 Boilers, Heating Systems and Applied Mathematics

Principles of mathematics that are essential to the operating building systems are taught. Examine the inner workings of boilers, burners, controls, fittings, valves, and pumps, as well as how they connect and interrelate.

#### COURSE 2 Refrigeration Systems and Accessories

Maintaining the proper comfort level in an office environment is essential for tenant satisfaction. Refrigeration equipment is a key component of an air conditioning system and must be properly maintained and operated at maximum efficiency. This course covers several types of refrigeration systems.

#### COURSE 3 Air Handling, Water Treatment, and Plumbing Systems

The fundamentals of human comfort and the components of HVAC systems. Air cleaning devices and indoor air quality concerns are addressed. Water conditioning and treatment, along with plumbing systems, are discussed in the light of present and emerging technology. Fire protection and alarm systems complete the diverse systems reviewed here.

#### COURSE 4 Electrical Systems and Illumination

Safely operate and maintain a buildings electrical equipment, thoroughly understand the components of electrical systems and how to measure the electrical consumption of your building. How to maintain electric motors and light fixtures.

Note: Should be taken after Course 1.

#### COURSE 5 Energy Mgmt. & Controls

This course will provide a working knowledge of the controls and energy management systems used in typical applications. Developing energy teams to evaluate and monitor energy usage. Preventive Maintenance programs to enhance your properties value and tenant satisfaction.

### COURSE INFORMATION SMA Designation

#### COURSE 6 Building Design and Maintenance

If you are involved in the repair and replacement of structural items such as floors, ceilings, interior walls and windows, you need a basic understanding of building design, materials, codes, and structural systems and finishes. You need to be familiar with maintenance procedures and equipment, grounds maintenance, and preventive maintenance.

#### COURSE 7 Administration

Focus on leadership skills, oral communication techniques and motivational team-building strategies. Students learn about planning, organizing, scheduling, delegating, budgeting and documenting. This course will help students develop skills in the following areas: Prioritization, Needs analysis, Resource Development, Resource Management and Time Management.

#### COURSE 8 Environmental Health and Safety Issues

Manage buildings more effectively and to understand and comply with an ever-increasing number of regulations. This course will give an overview of the issues involved with government regulations covering indoor air quality, Asbestos, Hazard communication, Hazardous waste, water pollution control, EPA & OSHA Regulations.

## COURSE SCHEDULE

COURSES 1, 3, & 6 Tues. 6 - 9 PM

COURSES 2 & 5 Wed. 6 - 9 PM

COURSES 4, 7, & 8 Thurs. 6 - 9 PM

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**NOTE:** Classes are held at Houston Community College Central Campus at 1301 Alabama.

Each Semester is 18 weeks long. There are two Semesters per Year.

**Only One course per semester may be taken unless special permission is given by Training Director.**

**All missed classes of all courses must be made up during the semester they are missed. Only three missed classes are allowed per semester. All missed classes must be made up before Mid Term or Final tests are taken**

**No Registration will be accepted after the first class night, unless approved by Training Director.**

**All new Students Must Pay the one time BOMI Registration fee of \$200.00.**

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TAX ID. # 76-0159722

**Checks made Payable to: Stationary Engineers Apprenticeship School or to S.E.A.S.**

If mailing, send to:

**SEAS**

**P.O. Box 34661**

**Houston, TX 77034 - 4661**

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### COURSE START DATES

**Crs. 1, 3, & 6 start Aug. 17, 2010**

**Crs. 2 and 5 Aug. 11, 2010**

**Crs. 4, 7, & 8 Aug. 12, 2010**

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For more information contact  
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