

# STATIONARY ENGINEERS APPRENTICESHIP SCHOOL

## REGISTRATION INFORMATION

**Fall 2018**

**WHERE:** Houston Community College  
1301 Alabama, room 103

**WHEN: Tues. & Wed.**  
**August 7<sup>th</sup> & 8<sup>th</sup> 2018**

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

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

Courses 1, 2, 3, 4, & 5

**\$700.00** per each course

Courses 6, 7 & 8 are

**\$900.00** 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.**

### **SMT Designation Information**

#### **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 interrelated equipment.

#### **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 building's 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.

#### **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.

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### **SMA Designation Information**

#### **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 Managing the Organization**

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 and 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

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

Each Semester is 16 weeks long.  
There are two Semesters per year.

**Due to current attendance levels, only one course per semester may be taken.**

**All Self Pay Student's Must Pay at Signup a minimum of \$350 for courses 1,2,3,4 and 5 or \$450 for courses 6,7 and 8 to cover the cost of their text books and HCC registration.**

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Make Checks Payable to: **Stationary Engineers Apprenticeship School or S.E.A.S.** (Please provide either an invoice number or student's name on all checks.)

**TAX ID. # 76-0159722**

If mailing, send to:

**SEAS  
P.O. Box 34661  
Houston, TX. 77034-4661**

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## **COURSE START DATES**

Courses 1, 3, & 6 start Aug. 28<sup>th</sup>, 2018

Courses 2 and 5 start Aug. 29<sup>th</sup>, 2018

Courses 4, 7, & 8 start Aug. 30<sup>th</sup>, 2018

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For more information contact:

**SEAS Training Director:  
Lloyd R. Blackstock  
281-222-0492**

**Website: [Seashouston.org](http://Seashouston.org)**