



Registration Information for Stationary Engineers Apprenticeship School **FALL 2024**

- Where:** Spring Semester 2024 WILL BE IN PERSON AT HOUSTON COMMUNITY COLLEGE
- When:** Online Registration Now
- Registration:** Online only at seashouston.org
- Cutoff Date:** July 23rd
- Fees:** All tuition fees are due at time of registration. Students will not be issued text books nor allowed to attend classes without payment. Payment via credit card or via check.
- Costs:** First Time Student BOMI Registration Fee: \$225
Courses 1, 2, 3, 4 & 5 are \$780/per course. Courses 6, 7 & 8 are \$980/per course.
- Course Length:** Each semester is 16 weeks long. There are (2) semesters per year.

Course #	Course Title	Cost	Course Start Date	Course Start Time	Course End Date
Course 1	Boilers, Heating Systems and Applied Mathematics	\$780	August 20, 2024	Tuesday 6 pm to 9 pm	December 10, 2024
Course 2	Refrigeration Systems and Accessories	\$780	August 21, 2024	Wednesday 6 pm to 9 pm	December 11, 2024
Course 3	Air Handling, Water Treatment, & Plumbing Systems	\$780	August 20, 2024	Tuesday 6:00 pm to 9:30 pm	December 10, 2024
Course 4	Electrical Systems and Illumination	\$780	August 22, 2024	Thursday 6 pm to 9 pm	December 12, 2024
Course 5	Energy Management & Controls	\$780	August 21, 2024	Wednesday 6 pm to 9 pm	December 11, 2024
Course 6	Building Design and Maintenance	\$980	August 20, 2024	Tuesday 6 pm to 9 pm	December 10, 2024
Course 7	Managing the Organization	\$980	August 22, 2024	Thursday 6 pm to 9 pm	December 12, 2024
Course 8	Environmental Health and Safety Issues	\$980	August 22, 2024	Thursday 6 pm to 9 pm	December 12, 2024

A FEW THINGS TO NOTE:

- Due to current attendance levels, **only one course per semester may be taken.**
- Fall Semester 2024 will be held in person at Houston Community College.**
- Each semester is 16 weeks long. There are 2 semesters per year [Fall and Spring Semester].
- Student registrations must be paid in full prior to the first night of class or you will not be issued text books nor allowed to attend class.**

PLEASE MAKE CHECKS PAYABLE TO:

Stationary Engineers Apprenticeship School (or S.E.A.S.)



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TAX ID. # 76-0159722

MAILING A PAYMENT. PLEASE NOTE EITHER THE INVOICE # OR STUDEN'TS NAME ON ALL CHECKS AND SEND TO:

SEAS

P.O. Box 6084

Katy, TX 77491-6084

FOR MORE INFORMATION, PLEASE CONTACT:

SEAS Training Director

Anthony Gibson

281-704-9676 or anthony.gibson@hccs.edu

Website: seashouston.org

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 Management & 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.

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.



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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