Registration Information for Stationary Engineers Apprenticeship School Spring 2021

Where: Online only at seashouston.org
When: ...through November 15th, 2020
Registration: Online only at seashouston.org
Cutoff Date: November 15, 2020
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 $700/per course. Courses 6, 7 & 8 are $900/per course.
Course Length: Each semester is 16 weeks long. There are (2) semesters per year.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Cost</th>
<th>Course Start Date</th>
<th>Course Start Time</th>
<th>Course End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course 1</td>
<td>Boilers, Heating Systems and Applied Mathematics</td>
<td>$700</td>
<td>January 19, 2021</td>
<td>Tuesday 6 pm to 9 pm</td>
<td>May 11, 2021</td>
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<tr>
<td>Course 2</td>
<td>Refrigeration Systems and Accessories</td>
<td>$700</td>
<td>January 20, 2021</td>
<td>Wednesday 6 pm to 9 pm</td>
<td>May 12, 2021</td>
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<tr>
<td>Course 3</td>
<td>Air Handling, Water Treatment, &amp; Plumbing Systems</td>
<td>$700</td>
<td>January 19, 2021</td>
<td>Tuesday 6 pm to 9 pm</td>
<td>May 11, 2021</td>
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<tr>
<td>Course 4</td>
<td>Electrical Systems and Illumination</td>
<td>$700</td>
<td>January 21, 2021</td>
<td>Thursday 6 pm to 9 pm</td>
<td>May 13, 2021</td>
</tr>
<tr>
<td>Course 5</td>
<td>Energy Management &amp; Controls</td>
<td>$700</td>
<td>January 20, 2021</td>
<td>Wednesday 6 pm to 9 pm</td>
<td>May 12, 2021</td>
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<tr>
<td>Course 6</td>
<td>Building Design and Maintenance</td>
<td>$900</td>
<td>January 19, 2021</td>
<td>Tuesday 6 pm to 9 pm</td>
<td>May 11, 2021</td>
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<tr>
<td>Course 7</td>
<td>Managing the Organization</td>
<td>$900</td>
<td>January 21, 2021</td>
<td>Thursday 6 pm to 9 pm</td>
<td>May 13, 2021</td>
</tr>
<tr>
<td>Course 8</td>
<td>Environmental Issues, Health and Safety</td>
<td>$900</td>
<td>January 21, 2021</td>
<td>Thursday 6 pm to 9 pm</td>
<td>May 13, 2021</td>
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</tbody>
</table>

A FEW THINGS TO NOTE:
- Due to current attendance levels, only one course per semester may be taken.
- All classes will be held through Houston Community College’s online Canvas platform.
- 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.)
TAX ID. # 76-0159722
MAILING A PAYMENT. PLEASE NOTE EITHER THE INVOICE # OR STUDENT’S NAME ON ALL CHECKS AND SEND TO:
SEAS
P.O. Box 34661
Houston, TX 77034-4661

FOR MORE INFORMATION, PLEASE CONTACT:
SEAS Vice President
Tony Ramirez
832-552-6249 or seashcc@gmail.com

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.
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.