Registration Information for Stationary Engineers
Apprenticeship School Spring 2020

Where: Houston Community College Central Campus, 1301 Alabama, Room 103
When: Tuesday, January 7th and Wednesday, January 8th
Time: 5:30 p.m. to 7:00 p.m. (please allow time to fill out required forms)
Fees: All tuition fees are due at time of registration. Books may not be issued until payment received.
Costs: First Time Student BOMI Registration Fee: $200
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 Registration Date</th>
<th>Course Registration Time</th>
<th>Course Start Date</th>
<th>Course Start Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course 1</td>
<td>Boilers, Heating Systems and Applied Mathematics</td>
<td>$700</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 21</td>
<td>Tuesday 6 pm to 9 pm</td>
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<tr>
<td>Course 2</td>
<td>Refrigeration Systems and Accessories</td>
<td>$700</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 22</td>
<td>Wednesday 6 pm to 9 pm</td>
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<tr>
<td>Course 3</td>
<td>Air Handling, Water Treatment, &amp; Plumbing Systems</td>
<td>$700</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 21</td>
<td>Tuesday 6 pm to 9 pm</td>
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<tr>
<td>Course 4</td>
<td>Electrical Systems and Illumination</td>
<td>$700</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 23</td>
<td>Thursday 6 pm to 9 pm</td>
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<tr>
<td>Course 5</td>
<td>Energy Management &amp; Controls</td>
<td>$700</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 22</td>
<td>Wednesday 6 pm to 9 pm</td>
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<tr>
<td>Course 6</td>
<td>Building Design and Maintenance</td>
<td>$900</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 21</td>
<td>Tuesday 6 pm to 9 pm</td>
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<tr>
<td>Course 7</td>
<td>Managing the Organization</td>
<td>$900</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 23</td>
<td>Thursday 6 pm to 9 pm</td>
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<tr>
<td>Course 8</td>
<td>Environmental Health and Safety Issues</td>
<td>$900</td>
<td>Tues, Jan 7th &amp; Wed, Jan 8th</td>
<td>5:30 pm - 7 pm</td>
<td>Jan 23</td>
<td>Thursday 6 pm to 9 pm</td>
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</tbody>
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A FEW THINGS TO NOTE:
- Due to current attendance levels, only one course per semester may be taken.
- All Self Pay students must pay a minimum of $350 at signup 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.

PLEASE MAKE CHECKS PAYABLE TO:
Stationary Engineers Apprenticeship School (or S.E.A.S.)
TAX ID. # 76-0159722
IF MAILING A PAYMENT, PLEASE SEND TO:
SEAS
P.O. Box 34661
Houston, TX 77034-4661
Registration Information for Stationary Engineers
Apprenticeship School Spring 2020

FOR MORE INFORMATION, PLEASE CONTACT:
SEAS Training Director
Lloyd R. Blackstock
281-222-0492

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