Fire Dynamics - Flashover Recognition Training

*****New Class*****

Each year structural firefighters in the United States are seriously injured and/or killed in the line of duty when confronted with deteriorating conditions and rapid fire growth, while conducting interior fire suppression operations in residential and commercial structures. The conditions that lead to flashover involve numerous variables such as the construction of the structure/compartment, fuel load/contents, ventilation, flow path, weather conditions and firefighting tactics being utilized. A greater emphasis needs to be placed on the firefighter’s ability to understand these variables, conduct a comprehensive and ongoing size-up, recognize the precursors to flashover and respond appropriately to them to avoid being caught in a flashover situation.

The Shumaker Public Safety Training Center at HACC’s Central Pennsylvania’s Community College is pleased to now be offering state of the art fire dynamics - flashover recognition training for firefighters using a Dräger/Swede Survival Systems flashover simulator. This simulator allows instructors to conduct advanced training on fire dynamics in which students are exposed to flashover situations in a safe and controlled environment better understand the key indicators of flashover, risk-based decision making and the proper methods to limit the occurrence of flashover during interior firefighting operations. The ultimate goal of this training is to increase firefighter awareness of flashover techniques and overall safety.

Course Information

- Classes are 8 hours in length and can be broken into two 4 hour blocks of instruction
- Classes combine lecture and practical time in the flashover simulator, where students will be exposed to repeated flashover conditions in a controlled environment
- Minimum enrollment is 8 students per session; maximum enrollment is 18 students per session
- Students will be required to provide proof of meeting the prerequisites prior to attending
- Cost - $85/student
**Prerequisites**

- Minimum of eighteen years of age or older
- Successful completion of one of the following course of instruction:
  - Essentials of Firefighting
  - Interior Firefighter
  - Structural Burn Session (16 hour PA State Fire Academy Course)

---

*Firefighter I certification (IFSAC/Pro-Board) can also be used to meet the prerequisites listed above.*

**Additional Information**

- Students should be in good overall physical health and condition to participate in training, including being free of any signs of upper respiratory infection (sinus congestion, cough, fever, etc.)
- Students should be well-hydrated when they show up for the training to avoid heat related stress disorders as a result of the training
- Students need to be free of any facial hair that interferes with SCBA face piece seal
- Students are responsible for supplying NFPA compliant structural firefighters protective clothing (helmet, coat, hood, gloves, pants and boots) along with NFPA compliant Self Contained Breathing Apparatus (SCBA) for use during the training (NOTE: Equipment provided must pass an equipment inspection held the day of the live burn in order for students to participate).
- Students shall wear long-sleeved shirts and pants under structural firefighters protective clothing when participating in flashover training

**Scheduling**

Open enrollment sessions for 2013 are scheduled from October – December on the following dates and times:

<table>
<thead>
<tr>
<th>Date(s)</th>
<th>Section #</th>
<th>Time(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 6, 2013</td>
<td>91103</td>
<td>8 AM – 5 PM</td>
<td>PSC Room 103</td>
</tr>
<tr>
<td>Nov 9, 2013</td>
<td>91106</td>
<td>8 AM – 5 PM</td>
<td>PSC Room 210</td>
</tr>
<tr>
<td>Nov 23, 2013</td>
<td>91105</td>
<td>8 AM – 5 PM</td>
<td>PSC Room 103</td>
</tr>
</tbody>
</table>

Fire department training dates have been scheduled on the following days for departments wishing to schedule closed training sessions. These will be filled on a first come-first served basis. Enrollment will be limited to 18 students maximum.

<table>
<thead>
<tr>
<th>Date(s)</th>
<th>Section #</th>
<th>Time(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 26, 2013</td>
<td>91104</td>
<td>8 AM – 5 PM</td>
<td>PSC Room 103</td>
</tr>
<tr>
<td>Nov 24, 2013</td>
<td>91107</td>
<td>8 AM – 5 PM</td>
<td>PSC Room 103</td>
</tr>
</tbody>
</table>

Additional closed training sessions for individual departments or organizations are available on a limited basis. Individuals wishing to schedule closed training sessions should contact the Shumaker Public Safety Training Center at 717-780-2607 or email firetrng@hacc.edu and provide their department point of contact information and preference between an 8 hour daylight session or two, 4 hour evening sessions. They will then be put on a list and contacted when additional open dates are scheduled.