

Foam Fire Protection Engineering Seminar

One of a Kind Training from Foam Fire Protection Experts
October 16-18, 2017



The National Foam Fire Protection Engineering Seminar is the only one of its kind conducted anywhere. As a participant, you will be among a select group of practicing engineers and technical personnel who will be able to earn a certificate of completion this year. For those with NICET (National Institute for Certification of Engineering Technicians) the submittal of your completion certificate will earn 24 continuing education points. The instruction is concentrated and intense, and class size is limited to 30 students. To take advantage of this opportunity and to avoid disappointment, reserve your place today.

What You Will Learn

- Capability of foam agents, devices, and systems
- Proper engineering of foam fire protection systems
- Basic foam system hydraulic calculations
- Principles of foam proportioning and delivery systems
- Review of principal guides and standards related to foam system design
- Fixed, semi-fixed/portable/mobile foam systems, applications, and equipment
- Effective uses of foam systems in applications such as atmospheric flammable liquid tanks, aircraft hangars, loading racks, marine applications, and other hazard types

Who Should Attend

- Foam system design and technical personnel from:
 - Architectural and engineering firms
 - Chemical companies
 - Petrochemical companies
 - Military services
 - Oil companies

- Industrial firms using flammable liquids
- Regulatory agencies
- Building officials and insurance inspectors who review foam systems
- Mechanical engineers, designers of fire protection systems, and fire protection consultants

Class Schedule

Day 1 (10/16/2017) - (First Half) (Start Time 8:30AM at the West Chester Plant - 350 East Union St., West Chester, PA 19382)

- Welcome and Introductions (Start 8:30AM)
- Witness live fire tests and equipment demos (weather permitting)
 - UL Fire Test
 - Foam Quality
 - Equipment Display
 - Bladder Tank
 - Proportioners
 - Hi Ex Generator
- Laboratory Demonstrations
 - AR vs Non AR Foams (Laboratory)
 - Film Formation (Laboratory)
 - Wetting (Laboratory)
 - Foam Percent Measurement (Proposals Station)
 - Conductivity
 - Refract
 - Curve Development

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Day 1 (10/16/2017) - (Second Half) Holiday Inn Express-Start Time 8AM unless otherwise instructed

- Lunch at 12PM
- Fundamentals of foam agents, including environmental concerns
- Foam testing comparisons and considerations
- Module #1 Flammable Liquid Fuels & Foam Concentrates - Anne Regina, Instructor
 - o Module 1A Flammable Liquid Fuels
 - o Module 1B Basics of Foam
 - o Module 1C Foam Agents Listing & Approvals
 - o Module 1D Environmental Issues
- Module #2 Foam Equipment & Design Overview - Bruce Shipley, Instructor
- Dinner at Bonefish Grill at 6:30PM, 460 W. Lincoln Highway, Exton, PA 19341, (610-524-1010)

****Please RSVP to hosam.shawkey@nationalfoam.com if you will be attending****

Day 2 (10/17/2017) - (Holiday Inn Express-Start Time 8AM unless otherwise instructed)

- Start 8:00AM
- Module #3 Foam Proportioning Systems - Bruce Shipley, Instructor
- Lunch at Noon (delivered at 11:30-11:45AM)
- Module #4 NFPA 11 Related Systems - Hosam Shawkey, Instructor (Start Time 1PM)
 - o Module 4A Storage Tank Systems - Hosam Shawkey, Instructor
 - o Module 4B High Expansion Systems - Bruce Shipley, Instructor
 - o Module 4C "Big Flow" Systems - Hank Shaefer, Instructor
- Module #7 How to Request Proposals - Hosam Shawkey, Instructor
- Module #8 Systems Testing - Hank Shaefer, Instructor

Day 3 (10/18/2017) - (Holiday Inn Express-Start Time 8AM unless otherwise instructed)

- Start 8:00AM
- Module #5 NFPA 16 Related Systems - Hank Shaefer, Instructor
 - o Module 5A Foam Water Sprinkler Systems
 - o Module 5B Foam System Hydraulics
 - o Module 5C Loading Rack Foam Systems
- Lunch at Noon
- Module #6 NFPA 409 Related Systems - Hank Shaefer, Instructor (Start Time 1PM)
- Questions and Answers
- Handout Certificates

For further information regarding the class curriculum, please contact Bruce Shipley, Training Manager at (610) 431-8635.

What Attendees Receive

- National Foam Engineering Manual
- Current NFPA Standards #11, #16, and #409
- Presentation manual
- Certificate of Completion
- 2 GB Flash Drive

Location and Hotel

The Engineering Seminar will be conducted at the following location:

Classroom Instruction and Live fire tests and demonstrations at National Foam - West Chester Facility
350 E. Union Street
West Chester, Pennsylvania 19382

Attendees are responsible for securing their own travel arrangements, including hotel and transportation.

The Holiday Inn Express in Exton-Lionville is offering seminar attendees accommodations at a rate of \$109 (2 double beds or executive king or queen leisure) per night plus tax. All rooms include a deluxe continental breakfast with four hot breakfast items and free wireless high speed internet. Call and mention "National Foam code NAF" when making the reservation.

The Holiday Inn Express - Exton-Lionville

120 North Pottstown Pike
Exton, Pennsylvania 19341
(610) 524-9000 www.hieexton.com

To Register

Please complete form on the next page and mail or fax with tuition payment of \$695.00 to:

National Foam, Inc.
Attention: Suzanne Guinter
350 East Union Street
West Chester, Pennsylvania 19382
Phone: (610) 363-1400
Fax: (610) 692-7947

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Registration Form

Please enroll me in National Foam's Fire Protection Engineering Seminar.

Enclosed is payment for \$695.00 (U.S. funds) to cover tuition and all materials and textbooks as described in the seminar announcement. I understand that all other expenses, including those related to travel, lodging, and food are my responsibility. Registration must be received no less than 30 days prior to scheduled seminar date.

Student Information

NAME (as you would like it to appear on your course completion certificate)		
COMPANY		TITLE
ADDRESS		CITY
STATE/PROVINCE	POSTAL CODE	COUNTRY
PHONE	FAX	EMAIL
LANGUAGE PREFERENCE FOR CLASS MATERIALS		
<input type="checkbox"/> English <input type="checkbox"/> Spanish		

Payment Information (Payment must be received at the time of registration. Attendees will receive an email confirmation.)

MODE OF PAYMENT		
<input type="checkbox"/> Check* <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover <input type="checkbox"/> American Express		
CREDIT CARD NUMBER		SECURITY CODE
CREDIT CARD NUMBER		EXPIRATION DATE
CARD HOLDER'S NAME	CREDIT CARD BILLING ADDRESS	
CITY	STATE/PROVINCE	POSTAL CODE
COUNTRY	SIGNATURE	
PHONE		

*Please make check payable to National Foam, Inc.