

# Fume Hood Performance Testing (FHT) Seminar

May 06-07, 2024

## This Seminar is Designed For

- Biosafety professionals
  - Laboratory Managers
  - Industrial hygienists
  - Researchers and fume hoods
  - Others with a strong background in fume hood work who consider an extensive review in a classroom setting will enhance their technical education
  - Individuals who are gathering information about the testing procedures performance by NEBB Certified Professionals to assist in the preparation of testing criteria and the auditing of Fume Hood Performance Testing. No previous knowledge or equipment is necessary to attend the seminar
  - Individuals who want a refresher course before taking the NEBB FHT Certified Professional exams
  - Business Owner/ Executives who are considering the opportunities available for expanding into the fume hood testing market
- 

## Location:

**Robert B. Gawne NEBB Training and Education Center**  
8575 Grovemont Circle  
Gaithersburg, MD 20877

**Registration Deadline:**  
**April 06, 2024**



## Seminar Instructors:



**Bohdan (Don) Fedyk**

Don has over 35 years of experience in design, application and verification of HVAC of HVAC laboratory systems and containment devices transitioning into the testing & validation field. Don is the chair of the NEBB FHT Committee. He had direct involvement in many projects across a variety of HVAC applications with emphasis on safety in the laboratory environment, He is a member of both the ASHRAE SPC 100 and NEBB FHT Committees and is a NEBB Certified PProfessional in multiple disciplines: FHT, Cx, and S&V

---



**Michael Kelly**

Michael is the Project Manager for Air Filtration Management. He is a NEBB Certified FHT and CPT Professional with over 35 years of experience in testing fume hoods, cleanrooms, biosafety cabinets, and HEPA filtered equipment.

---

8575 Grovemont Circle, Gaithersburg, Maryland 20877  
Phone: 301.977.3698 | Fax: 301.977.9589 | Email: [training@nebb.org](mailto:training@nebb.org)

## About This Seminar:

Chemical fume hoods are one of the most important items of safety equipment present within the laboratory. It is vitally important they are properly used and maintained. Chemical fume hoods serve to control the accumulation of toxic, flammable, and offensive vapors by preventing their escape into the laboratory atmosphere. Fume hoods provide physical isolation and containment of chemicals and their reactions, thus serving as a protective barrier between laboratory personnel and the chemical or chemical process within the fume hood. Chemical fume hoods are an important means of protecting personnel from chemical exposure and ensuring compliance with OSHA and other mandated EH&S regulations.

The seminar will provide attendees with an overview of laboratory HVAC concepts, including discussions of environmental safety enclosures, such as fume hoods, biosafety cabinets, and other containment enclosures. Instructors will review various HVAC systems currently employed in laboratory design. The basic operation of fume hoods and other containment enclosures and their respective applications and features will be presented. The NEBB Procedural Standard for Fume Hood Performance Testing will be reviewed with emphasis on the requirements for NEBB Firm certification, NEBB Certified Professional certification, instrumentation, as well as reporting and testing requirements. Detailed presentation will be provided for the three primary fume hood performance tests: Airflow Velocity Tests, Airflow Airflow Velocity Tests, Airflow Visualization Tests, and Tracer Gas Containment Tests. Instructors will also provide hands-on demonstrations of these performance tests. Proper testing procedures will be emphasized, along with reporting requirements and the evaluation of test results.

This Seminar has been approved for  
14.0 Continued Education Credits



## Monday, May 06, 2024

(7.0 CECs)

**7:30 am:** Registration

**8:00 am – 4:00 pm:** Introduction to Fume Hood Performance Testing, HVAC Basics, Fume Hood Types, Fume Hoods Vs Bio-safety, Cabinets, Safety and Protocol, Overview of Testing Requirements, Review of FHT Protocol, Airflow Velocity Testing and Hands-on Demonstration (Lunch provided)

## Tuesday, May 07, 2024

(7.0 CECs)

**8:00 am – 4:00 pm:** Airflow Visualization Testing and Hands-On Demonstration, Tracer Gas Containment Testing and Hands-On Demonstration, Reporting, and Seminar Review Session (Lunch provided)

## Wednesday, May 08, 2024

**8:00 am - 11:00 am:** FHT Written Exam

**11:30 am – 6:00 pm:** FHT Practical Exams

## Thursday, May 09, 2024

**7:00 am - 6:00 pm:** FHT Practical Exams



## Travel information:

**Registration form and payment must reach the NEBB office on or before April 06, 2024.  
Pre-registration and payment of fees are necessary to ensure your participation in the seminar.**

### Hotels:

Attendees can make reservations directly with the hotel of their choice. Below is a short list of hotels in close proximity to the training center. Hotel and transportation costs are not covered by the seminar registration fee.

#### Homewood Suites Gaithersburg

805 Russell Ave  
Gaithersburg, MD 20879  
301-670-0008

[Booking Link](#)

#### Hilton Garden Inn & Homewood Suites by Hilton Rockville, MC

14975 Shady Grove Rd  
Rockville, MD 20850  
240-507-1900

[Booking Link](#)

### Airport:

**Ronald Reagan Washington National Airport (DCA):** 30 miles from the facility, 37 minutes average drive time; \$80 average taxi fare.

**Dulles International Airport (IAD):** 33 miles from the facility, 34 minutes average drive time; \$80 average taxi fare.

**Baltimore/ Washington International Airport (BWI):** 40 miles from the facility, 44 minutes average drive time; \$100 average taxi fare.

## Important Dates and Times:

### Arrival in Gaithersburg, MD

Sunday, May 5, 2024

### Seminar Dates:

Monday - Tuesday, May 6 - 7, 2024

### Optional FHT Written Exam & Practical Exam

Wednesday - Thursday, May 8 - 9, 2024

## Seminar Location:

### The Robert B. Gawne NEBB Training and Education Center

8575 Grovemont Circle  
Gaithersburg, MD 20877

**Stay up to date and join the conversation!**  
Follow us on [Facebook](#) | [Twitter](#) | [LinkedIn](#)



# NEBB MAY FHT SEMINAR REGISTRATION FORM

**Registration form and payment must reach the NEBB office on or before April 06, 2024.**

Pre-registration and payment of fees are necessary to ensure your participation in the seminar.

## Registration form and payment

1. Online through the Certelligence Portal
2. Email this form to [training@nebb.org](mailto:training@nebb.org), or
3. Mail this form to: NEBB, 8575 Grovemont Circle, Gaithersburg, MD 20877.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone/Cell: \_\_\_\_\_

Email: \_\_\_\_\_

Please list any dietary restrictions and or ADA accommodations:  
\_\_\_\_\_

### Optional Exam Opportunity:

Please check the box below. If interested, please email [certification@nebb.org](mailto:certification@nebb.org) for the candidacy application process. Pre-approval and payment are required before the deadline.

Yes, interested in taking the exam

No, not interested in taking the exam

### Seminar Fees (Check all that apply)

\$1300 FHT Seminar Registration Fee  
(Does not include candidacy application or exam fees)

### Publication Fees

\$95 NEBB/ \$125 Non-NEBB: NEBB FHT Procedural Standards

(Please indicate preference: hard copy or electronic)

*\*Prices for publications do not include shipping and handling*

### Payment Method

Check enclosed made payable to NEBB

Visa  MasterCard  American Express

Name on Card \_\_\_\_\_

CC Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Security Code \_\_\_\_\_

Signature \_\_\_\_\_

\$ \_\_\_\_\_ **Total Amount Due**

Note: Any candidacy or exam fees will be invoiced separately.

## Location

Cancellation by registrants, regardless of reason, will be subject to a \$250 service charge to cover NEBB's expenses. A refund of the prepaid registration will be made less the \$250 service charge. No Shows or late cancellations (those who registered for the seminar who do not cancel at least 14 days prior to the seminar and subsequently do not attend the course) will forfeit the entire registration fee unless a replacement can be found. NEBB reserves the right to cancel any seminars having insufficient registrants, in which case, all prepaid registration fees will be refunded in full. Please advise NEBB and your hotel of your cancellation as soon as possible.

## Attendee and Seminar Requirements:

### Recommended Publications:

To achieve the best learning results, it is highly recommended that attendees read the following publications BEFORE attending the seminar:

- NEBB Procedural Standards for Fume Hood Performance Testing - 2nd Edition
- ANSI/ ASHRAE 110 - 2016 Methods of testing Performance of Laboratory Fume Hoods
- ANSI/ AIHA Z 9.5 - 2012 Laboratory Ventilation
- NEBB Environmental Systems Technology
- 2019 Procedural Standard for TAB of Environmental Systems - 9th Edition
- TAB Manual for Technicians, 2021
- ASHRAE Handbook: HVAC Applications, Chapter 16, Laboratories
- BoK Approved 2018/09/04, v.12

\*The instructor assumes that all attendees have a thorough working knowledge of the requirements of these publications prior to attending the seminar. Publications can be purchased online at [www.nebb.org](http://www.nebb.org)

### Important Reminders:

1. Registrations will be filled on a “first come-first served” basis. Please note that class sizes are limited due to Covid Social Distancing Protocol.
2. Seminar fees include course instruction, lunch, am/pm breaks.
3. Seminar fees do not include anything pertaining to certification.
4. For information on certification or exams please contact [certification@nebb.org](mailto:certification@nebb.org).

### Questions About This Seminar?

Call 301-977-3698 or email [training@nebb.org](mailto:training@nebb.org)



## Our COVID-19 Response Plan

Considering COVID-19, NEBB has taken several proactive steps to help ensure the health and safety of our attendees and instructors. Precautions such as constant sanitization of the seminar area, increased attention to high-touch areas in the rooms, limits on the number of attendees during the seminar and protective gear for our instructors are in place. NEBB also will be practicing social distancing and maintaining 6 feet apart.

### Our COVID-19 Response Plan

- If you are experiencing any symptoms of COVID-19 like running a fever, coughing, or shortness of breath, please do not attend the seminar.
- You have been exposed to someone who has tested positive for COVID-19 in the last 14 days.
- You have a compromised immune system or are considered “high risk.”
- Wearing a mask is requested during the seminar and gloves can be worn if desired.
- Sanitize hands prior to entering the seminar location.
- Avoid shaking hands or engaging in any unnecessary physical contact.
- Signing a waiver prior to the seminar

