

# FUNDAMENTALS OF CHEMICAL FUME HOOD SAFETY

AN ONLINE LEARNING COURSE  
AVAILABLE AT [WWW.CDC.TRAIN.ORG](http://WWW.CDC.TRAIN.ORG)

Sponsored by the  
Division of Laboratory Systems  
Center for Surveillance, Epidemiology, and Laboratory Services  
Centers for Disease Control and Prevention



## DESCRIPTION

A chemical fume hood is the main piece of laboratory equipment that protects laboratory staff working with hazardous chemicals. When properly used, fume hoods protect staff from inhaling chemical gases, vapors, and aerosols. They serve as a physical barrier between staff and the hazardous materials inside the hood, and provide some splash protection.

This basic-level eLearning course provides an essential understanding of the major components of a chemical fume hood and proper practices for its safe and effective operation. Topics covered include the major components and types of fume hoods and their monitors, maintaining proper airflow, daily use protocols and good fume hood work practices, and what to do if there is an emergency.

## AUDIENCE

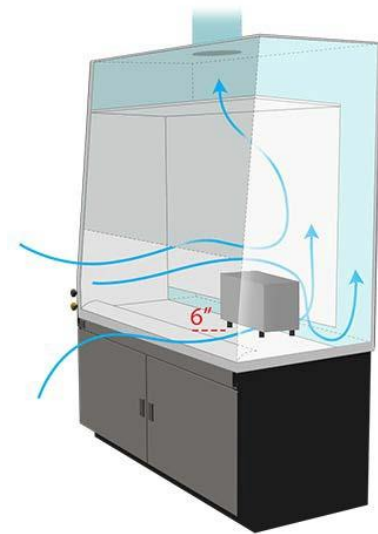
This online course is designed for public health and clinical laboratory staff, safety professionals, and persons interested in the safe use of chemical fume hoods as determined by your laboratory-specific risk assessment.

## SPECIAL NEEDS

Course content is closed-captioned, where applicable, and optimized for a screen reader.

## FREE REGISTRATION

- Locate the course online at [www.cdc.gov/labtraining](http://www.cdc.gov/labtraining)
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email [labtraining@cdc.gov](mailto:labtraining@cdc.gov).



## OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Identify general facts about fume hoods
- List factors that affect the proper fume hood airflow
- Describe startup procedures prior to working in a fume hood
- Describe proper practices for working in a fume hood
- Describe finish procedures for completion of work in a fume hood
- Describe the procedures to follow during an emergency

## CONTINUING EDUCATION

The Centers for Disease Control and Prevention, Division of Laboratory Systems, is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

This course is approved for 1.0 contact hours. P.A.C.E.® course number: 288-003-20.

**For a complete list of courses, visit [www.cdc.gov/labtraining](http://www.cdc.gov/labtraining).**