

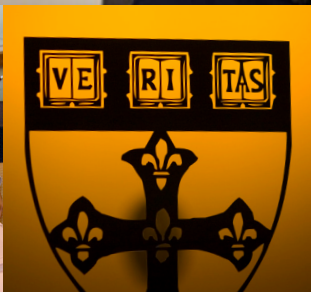


A Program in  
**Occupational and  
Environmental Health & Safety**



# COMPREHENSIVE INDUSTRIAL HYGIENE:

The Application of Basic Principles



July 10–14, 2017 | Boston, MA



**HARVARD  
T.H. CHAN**

**SCHOOL OF PUBLIC HEALTH**

Executive and Continuing  
Professional Education

Organizations are responsible for the overall health and safety of the people they employ. As a participant in *Comprehensive Industrial Hygiene*, you will learn the concepts critical to creating a safe work environment by developing your industrial hygiene technical expertise.

The skills and strategies taught in this course will help you protect employees from workplace health hazards, improve employee safety, and increase productivity. The program focuses on how to anticipate, evaluate, prevent, and control a wide range of hazards and is applicable to challenges facing a wide variety of workplaces and industries.

This course enables you to practice industrial hygiene skills that you can immediately apply to improve employee health and safety in your organization.

**Learn more:**

**[hsph.me/industrial-hygiene](https://hsph.me/industrial-hygiene)**



## Who Should Participate



This program is designed for new and experienced professionals with direct responsibility for industrial hygiene, for those managing industrial hygienists, and those with the following responsibilities:

- Employee health
- Environmental health and safety
- Facilities management
- Human resources
- Industrial hygiene/occupational hygiene
- Management of health, safety, security, or industrial hygiene programs
- Occupational health and medicine
- Others involved in improving the work environment

**Learn more:**  
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## Learning Objectives



By the end of the course, participants will be able to:

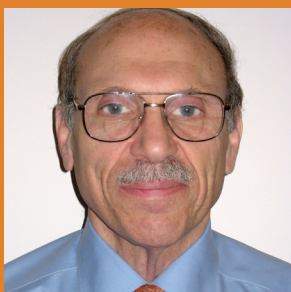
- Recognize health hazards in occupational settings
- Determine the physiological and toxicological effects of exposures to workplace hazards
- Understand the physical and chemical behavior of aerosols and gas mixtures
- Identify methods to measure and control noise stress in the workplace
- Understand the effects of ionizing and non-ionizing radiation
- Analyze and control risk factors for musculoskeletal disorders and design workplace ergonomics programs
- Evaluate work practices and engineering control techniques for the prevention of occupational disease
- Analyze industrial exhaust ventilation systems
- Select control measures specific to exposures

“This program is an excellent addition to the education of the environmental health and safety professional. Gaining hands-on experience and discussing real-life case studies are great ways to boost professional confidence—no matter your initial knowledge level.”

— Ashley Koehler, MS  
Occupational Safety Coordinator  
University of Memphis

**Learn more:**  
[hsph.me/industrial-hygiene](https://hsph.me/industrial-hygiene)

## Faculty Program Directors



**Louis J. DiBerardinis, MS, CIH, CSP** is an Instructor in Industrial Hygiene at Harvard T.H. Chan School of Public Health, Director of Environment, Health and Safety at Massachusetts Institute of Technology, and an Adjunct Professor in the Department of Work Environment at University of Massachusetts Lowell. Mr. DiBerardinis has been a visiting lecturer at Harvard Chan School since 1986, where he teaches in several graduate courses and continuing education programs. Mr. DiBerardinis has been affiliated with M.I.T. since 1989 and with Harvard since 1970; in 1976, he established and directed the Industrial Hygiene Program within Harvard University Health Services.



**Robert F. Herrick, MS, ScD, CIH** is a Senior Lecturer on Industrial Hygiene in the Department of Environmental Health at Harvard T.H. Chan School of Public Health. His research interests are centered on the assessment of exposure as a cause of occupational and environmental disease. He has conducted research on the development of methods to measure the biologically active characteristics of reactive aerosols and on studies of work processes in the construction and foundry industries to develop task-based models to identify and control the primary sources of worker exposures. Dr. Herrick also has worked extensively on the problems of providing health and safety information and services to small businesses.



**John M. Price, PhD,  
CIH, CSP, PE**

is an Instructor at Harvard T.H. Chan School of Public Health and the Director of Environmental Health and Safety at Northeastern University. At Northeastern, he runs programs in safety, radiation protection, industrial hygiene, biohazard assessment, and environmental engineering.

He supervises staff in assessing worker exposure, conducting training in occupational health and safety, and designing engineering controls for the workplace. He also provides oversight for the University on meeting requirements of environmental regulations. Prior to assuming this position in 1990, he worked as Manager of Industrial Hygiene and as an Industrial Hygiene Engineer for Harvard University. Before that, he was an Air Pollution Engineer at the Harvard T.H. Chan School of Public Health.



## **Learn more:** **[hsph.me/industrial-hygiene](https://hsph.me/industrial-hygiene)**

### **Program Check-in**

Harvard T.H. Chan  
School of Public Health  
651 Huntington Avenue  
Boston, MA 02115

### **Continuing Education Credit**

This program is accredited by Harvard T.H. Chan School of Public Health. Credit types and amounts will be determined once the agenda has been finalized and are subject to change. Please visit the course website periodically for the latest information.

### **Program Information**

Please visit the course website for information regarding the program fee, accommodations, faculty, agenda, and our substitution and cancellation policy.

This program is funded in part by the Harvard-NIOSH Education and Research Center (grant T42 OH008416).

### **Program Portfolio**

For a full list of Executive and Continuing Professional Education courses, visit **[hsph.me/portfolio](https://hsph.me/portfolio)**

### **Contact Us**

For more information, please contact us by phone at **(617) 432-2100** or by e-mail at **[contedu@hsph.harvard.edu](mailto:contedu@hsph.harvard.edu)**

### **About Harvard T.H. Chan School of Public Health Executive and Continuing Professional Education**

We prepare individuals and organizations to solve the most pressing global public health and health care challenges. Leaders in government, corporate, and nonprofit sectors around the world attend programs which provide strategies for addressing the critical issues facing their organizations with proven tactics that drive change.



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Work-related injury and illness detract from employee productivity and employers' bottom line—and can adversely affect the public perception of an organization. Evidence shows that organizations with employee health and wellness programs realize significant productivity benefits. From radiation protection to ergonomics

to contaminant control ventilation, this course will hone your technical expertise in protecting employees from workplace health hazards. You will leave with the tools needed to improve employee health and safety and reduce costs associated with health-related productivity loss.