



Certified Industrial Hygiene Practitioner

Course Credential: (CIHP)

Course Fees: \$1295.00

CEU's: 6.4 Online Training

Course Study Hours: 64

Continuing Education Units:

6.4 CEUs are offered for this course. As an IACET Accredited Provider, IASHEP offers IACET CEUs for its learning events that comply with the ANSI/IACET Continuing Education and Training Standard. CEUs will be reflected on the certificate upon completion of the course and examination. Partial credit or adjusted CEUs will not be awarded for individuals who do not successfully meet the IACET requirements for issuing CEUs.

Introduction:

As an IASHEP Certified Industrial Hygiene Practitioner (CIHP), you will use your knowledge of science, engineering, and psychology to identify and evaluate hazards, develop controls to protect workers and implement safety, health, and environmental programs in the workplace. As an IASHEP Certified Industrial Hygiene Practitioner, you'll specialize in protecting the health and safety of workers in industrial and commercial settings. This involves anticipating, recognizing, evaluating, and recommending solutions to risks. You'll strive to protect workers from

exposure to harmful substances, conditions, and activities. You may hear industrial hygiene called occupational health, occupational hygiene, or workplace health.

Qualifications:

Registered Industrial Hygiene Practitioner is a program designed to credential professionals responsible for investigating, examining and providing information to control and prevent potentially harmful conditions in the workplace, developing of techniques to anticipate and control dangerous situations and participating in the development of regulations, on the government or state level, to ensure workplace and community safety.

Education:

Bachelor's degree in engineering, chemistry or physics OR a bachelor's degree in a closely related biological or physical science from an accredited college or university. Three (3) years of acceptable work experience may be substituted for each year of an academic degree program (i.e., Twelve years of experience is equivalent to a bachelor's degree).

Work Experience:

Two years (2) of experience where at least 30% of your work is directly related to working in safety, industrial hygiene, or the environment is performed in this field. Education cannot be substituted for work experience. Please note: This requirement is in addition to the expertise used instead of education.

Other Experience:

Documented GED / Apprentice Certificate Completion / On-The-Job / Skills Training / or AA / BSc / BA in safety management or similar field. Certificates in occupational health and safety from OSHA or an authorized OSHA Training Institute Education Center (OTIEC),

NEBOSH, National Safety Institute, Military Specialty Ratings (ARMY, NAVY, Marines, Coast Guard, Air Force, Space Force, & Reserves, National Guard, or similar training organizations from other countries will be considered.

Course Objectives:

The IASHEP Certified Industrial Hygiene Practitioner training course is a 64-hour introductory course on fundamental industrial hygiene principles. It is designed for entry-level industrial hygienists, safety professionals, and environmental professionals with responsibilities in industrial hygiene.

Students will receive 64 hours of online training. Students will then be able to perform measurements or better understand how to specify requirements for obtaining contractual industrial hygiene services. The class continues with self-study with instructor assistance if needed.

Course Objectives:

1. Understand the history and principles of industrial hygiene.
2. Analyze workplace chemical, physical, ergonomic, and biological hazards.
3. Gain practical skills in air sampling, equipment use, and hazard assessment.
4. Learn regulatory standards and their application in industrial hygiene practice.
5. Prepare to identify and address modern and emerging industrial hygiene challenges.

Course Outline

Module 1: Fundamentals of Industrial Hygiene (10 hours)

- History and Evolution of Industrial Hygiene
- Overview of Regulatory Standards (OSHA, ANSI, AIHA)
- Introduction to Hazard Recognition and Control

Module 2: Toxicology and Exposure (10 hours)

Introduction to Toxicology

Routes of Entry: Anatomy and Physiology

- Dose-Response Relationships
- Case Studies: Historical Industrial Toxicology Incidents

Module 3: Personal Air Sampling and Monitoring (10 hours)

- Introduction to Air Sampling Equipment
- Personal Air Sampling Procedures
- Hands-On Practice: Calibrating and Using Sampling Devices

Module 4: Hazard-Specific Training (10 hours)

Asbestos:

- Health Effects and Regulations
- Sampling and Analytical Techniques

- **Silica:**

- Health Risks and Control Measures
- OSHA Silica Standards

- **Lead:**

- Monitoring and Managing Lead Exposure
- **Potential Hazardous Atmospheres:**
 - Identifying and Mitigating Flammable and Toxic Hazards

Module 5: Ergonomics and Physical Hazards (10 hours)

- Introduction to Ergonomic Hazards
- Assessing and Controlling Ergonomic Risks
- Noise and Vibration: Hearing Conservation Programs

Module 6: PPE and Respiratory Protection (5 hours)

- Personal Protective Equipment (PPE) Selection and Use
- Respirator Selection and Fit Testing
- OSHA Requirements and Respiratory Protection Standards

Module 7: Emerging Trends in Industrial Hygiene (5 hours)

- Combustible Dust Hazards
- Hexavalent Chromium: Health Effects and Standards
- Nanotechnology and Associated Risks
- Pandemic Influenza and Bioterrorism Preparedness

Module 8: Hazard Communication and Safety Management (2 hours)

- OSHA HAZCOM & Global Harmonization Standards
- Conducting a Job Safety & Health Analysis (JSA)

- Heat Stress Awareness Training

Module 9: Practical Skills and Industrial Hygiene Needs Analysis (2 hours)

- Conducting an Industrial Hygiene Needs Analysis
- Hazard Evaluation Techniques
- Using Essential Monitoring Equipment

Final Examination

Format: 100 questions (multiple-choice, essay, true/false)

Duration: 4 hours, proctored

- **Passing Criteria:** 80%

A formal textbook will also be provided for taking an open-book test.

The International Accreditors accredit IASHEP for Continuing Education and Training (IACET). IACET developed the original Continuing Education Unit (CEU) and today ensures that continuing education and training providers can prove they provide high-quality instruction by following the ANSI/IACET 1-2018 Standard for Continuing Education and Training.

Recertification:

A refresher examination is required every three (3) years to maintain certification. The cost for recertification is \$195.00

It's crucial to understand that this course is not just any course. It's aligned with the highest industry standards. As an IACET Accredited Provider, IASHEP offers Continuing Education Units (CEUs) for its learning events

that comply with the ANSI/IACET Continuing Education and Training Standards.

Upon completing the course requirements and passing the examination, you'll receive a Certificate with the CEUs earned. Please note that partial credit or adjustment will not be awarded to individuals who do not successfully meet the criteria for achievement for CEUs based on IACET standards.

The International Accreditors approve IASHEP for Continuing Education & Training (IACET). The International Accreditors for Continuing Education and Training (IACET) developed the original Continuing Education Unit (CEU) and today ensures that continuing education and training providers can prove they provide high-quality instruction by following the ANSI/IACET 1-2018 Standard for Continuing Education and Training through a rigorous accreditation process.

The Standard is a universal model for learning process excellence. It defines a proven model for developing effective and valuable continuing education and training (CE/T) programs by measuring a provider's training program from procedure to process to result.

For more information or to register for this course, please visit www.iashep.org and complete the course enrollment form. If you have any questions, don't hesitate to contact the IASHEP Training Administrator at (612 - 801-1032).

Proprietary Notice

It is the Policy of Podojil & Associates, Inc. that the proprietary interest of instructor(s) is disclosed.

Purpose: This policy is designed to ensure compliance with all applicable local, state, and federal regulations while maintaining a high standard of professional conduct throughout the organization.

Scope/Application: This policy applies to all instructors, franchisees, and

contract individuals of Podojil & Associates, Inc. who conduct courses for the organization.

Instructors shall not promote the exclusive use of any commercial product in published training materials or during training. Instructors' discussion of their proprietary interests during instruction will be limited to relevant contexts and include consideration of alternative products or companies that are comparable to the instructor's.

