

**International Association of Safety, Health
and Environmental Professionals**

IASHEP



2024 Course Catalogue



US Department of Veterans Affairs Recognition and Information for Veterans

Approved for Department of Veterans Affairs GI Educational Benefits

You can receive GI Bill reimbursement for licensing and certification tests. These tests must be specifically approved for the G.I. Bill. There is no limit to the number of tests you may take, or number of times you may take the same test. VA will pay for tests even if you fail them.

VA can pay only for the cost of the tests, up to \$2,000.00 for each test. They cannot issue reimbursement for other fees connected with obtaining a license or certification. Payment is issued after you submit proof of payment, etc. to the VA.

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- Visit the website at www.gibill.va.gov, and click on 'Ask a Question and Find Answers"
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International Association of Safety Health and Environmental Professionals

Code of Professional Conduct

The Code of Professional Conduct ("Code, Ethics and Standards") is the ethical benchmark for the International Association of Safety, Health, and Environmental Professionals (IASHEP) around the globe, regardless of job title, cultural differences, or local laws. As an IASHEP member, you are required to follow the Code of Conduct, Ethics and Standards. A code of professional conduct is a necessary component to any profession to maintain ethics and standards for the individuals within that profession to adhere. It brings about accountability, responsibility, and trust to the individuals that the profession serves.

The IASHEP Board of Directors adopted this Code of Conduct / Ethics and Standards and established the highest principles and standards for the organization. These Principles are general statements expressing the ethical and professional members' ideals. Members of IASHEP are expected to display these ideals in their professional activities.

The Code of Conduct, Ethics and Standards maintains that you must:

Principle 1 – Integrity: Provide professional services with integrity. Integrity demands honesty and candor which must not be subordinated to personal gain and advantage. IASHEP Members and Applicants are placed in positions of trust by employers, employees, and the clients that they serve. The ultimate source of that trust is the IASHEP member's personal integrity. Allowance can be made for innocent errors and legitimate differences of opinion, but integrity cannot co-exist with deceit or subordination of one's principles.

IASHEP Members and Applicants shall exhibit loyalty in all matters pertaining to the affairs of their organizations or to whomever they may be rendering a service. However, IASHEP Members and Applicants shall not intentionally and knowingly be a party to any illegal or improper activity related to safety, health and environmental laws or otherwise indicating a lack of personal integrity.

Principle 2- Competence: IASHEP Members and Applicants must maintain the knowledge and skill necessary to provide professional services competently. Competence means attaining and maintaining an adequate level of knowledge and skill, and application of that knowledge and skill in providing services to employers, employees, clients and the public. Competence also includes the wisdom to recognize the limitations of that knowledge and when consultation with other professionals is appropriate or referral to other professionals is necessary, IASHEP members must make a continuing commitment to adhere to continuing their learning and professional improvement.

Principle 3- Responsibility: Responsibility is our duty to take ownership for the decisions we make or fail to make, the actions we take or fail to take, and the consequences that result. We make decisions and take actions based on the best

interests of society, employers, clients, their employees and the environment that we are pledging to protect.

IASHEP Members and Applicants shall comply with all laws, regulations, policies and ethical standards governing professional practice of safety, health and the environmental related activities.

IASHEP Members and Applicants shall never put employees or the public at risk of being injured. IASHEP Members or Applicants shall accept personal responsibility for their professional activities, provided, however, that IASHEP Members and Applicants may seek indemnification for services arising out of their practice for other than gross negligence, where the IASHEP Member or Applicants interests cannot otherwise be protected.

IASHEP Members and Applicants must provide accurate and truthful representations concerning all certification and recertification information. IASHEP members will maintain the security of IASHEP examination information and materials, including the prevention of unauthorized disclosures of test information.

Principle 4 - Rules of Practice: IASHEP Members and Applicants shall hold paramount the safety, health, environmental and welfare of the public. If IASHEP Members or Applicants' judgment is overruled under circumstances that endanger life or property, they shall notify their employer or client, and such other authority as may be appropriate to protect the life and environment of those that they serve.

IASHEP Members and Applicants shall not reveal facts, data, or information without the prior consent of the client or employer except as authorized or required by law or this Code. IASHEP Members and Applicants shall not permit the use of their name or associate in business ventures with any person or firm that they believe is engaged in a fraudulent or dishonest enterprise.

IASHEP Members and Applicants who have knowledge of any alleged violation of this Code shall report thereon to appropriate professional bodies and when relevant, also to public authorities, and cooperate with the proper authorities in furnishing such information or assistance as may be required.

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Course Policies

Onsite Training Opportunities:

Course Policies

Onsite Training Opportunities:

Have 7 or more people? We can come directly to your facility to offer on-site training, saving you money and allowing us to customize the training to your organization. Contact us today to learn more

General Notes:

All Sessions are limited to 30 students.

Must have signed purchase order for on-site courses before an instructor is assigned.

All classes are taught M-F 8am to 5pm. A 40% surcharge applies for any courses scheduled to be taught after hours or on weekends and holidays.

Cancellation Policy: Cancellation notification must be in writing (fax or emails are acceptable) and received (not postmarked)

Four weeks prior to schedule training - 0 % of total invoice. The client will be responsible for any charges made for travel and per diem incurred. If no charges occur, then there is no charge.

2-4 weeks before scheduled training, you will be charged - 25% of the course and the travel invoice amount

1-2 weeks before scheduled training, you will be charged- 60% of the course, and the travel invoice amount

If you wait less than one week to schedule training, you will be charged 100% of the course and travel invoice amount.

Once a class has started – No Refund

Substitutes are welcome without penalty. Please allow up to 2-3 weeks for any refunds. IASHEP and its training partners reserve the right to cancel this activity due

to unforeseen circumstances. In the event of such cancellation, only the registration fee will be returned to the registration fee. IASHEP and its training partners will not be responsible for travel expenses incurred by the participant in case of cancellation.

Certified Accident Investigation Specialist (CAIS)

Course Length: 4 Days,

Course Fees: \$595.00

Certification: Certified Accident Investigation Specialist (CAIS)

Course Fees: \$595.00

Note: Textbook: This course may also include a formal textbook titled Accident Investigation Techniques. This second edition covers all aspects of accident investigation from theory to organizing, gathering and analyzing data, to reporting, recommendations, and follow-up. Multiple techniques are discussed in terms of strengths and weaknesses and when to use each technique. Accident theory and accident sequence is presented to better understand how to prevent accidents.

Proctored Examination: At the end of this course the student will take a proctored open book examination. A passing score of 80% percent is required. Should you not pass on the first attempt, you will be offered two more attempts for a total of (3) times to pass the examination. Should you fail on all three (3) attempts, you must retake the course.

Our Accident Investigation Specialist Certification covers:

This three-day program is designed to ensure that first responders, managers, supervisors or other personnel are trained in how to conduct a proper accident investigation of securing the scene, interviewing witnesses, photographing the scene, writing the report and finding the root causes of the accident.

Course Objectives:

This program teaches the basic step-by-step procedure for approaching the scene and performing the investigation. Participants will learn to explain what an accident/incident is, their frequency and cost. They can recognize and use the initial response to the scene. Guidelines for effective interviewing are reviewed. Participants learn to collect evidence using the four P's – People, Parts, Position and Paper, participate in a mock accident/incident investigation, and complete the appropriate information in an accident/investigation report.

Who should attend?

This course will be valuable for health and safety advisers/officers, safety representatives, managers, supervisors or anyone with responsibility for investigating

accidents. The topics covered in this accident investigation training course can be applied to any sector.



Advanced Accident Investigation Administrator

Course Credential: Advanced Accident Investigation Administrator (AAIA)

Course Length: 5 Days

Course Fees: \$1295.00

Course Introduction:

This course is designed for personnel assigned to conduct and manage major accident or incident investigations, as well as personnel designated to perform such investigations. Participants are taught to direct their activities towards defining the facts and circumstances related to the event, determining the causes, and developing remedial actions to control the risks.

They also learn to use nine (9) guidelines for effective interviewing and participate in and/or conduct an interview. Participants become skilled at identifying parts of evidence, paper evidence contained in various records, and applying a loss causation/problem-solving model for analyzing evidence. Participants will participate in mock accident/incident investigations, including completing the appropriate information in an accident investigation report

Prerequisite

IASHEP Certified Accident Investigation Administrator (AAIA)

Topics

- Types of accident investigation
- Elements of accident reports
- Cost of accidents
- Direct and indirect cost report writing
- Interview techniques
- Photographing techniques
- Accident recreation tools
- Accident scene investigation
- Accident / root cause analysis methods
- Accident close-out and follow-up
- Speaking and dealing with the media

Audience

- Construction industry personnel
- Managers concerned about liability and workers' compensation costs.
- HR professionals
- Risk managers
- Financial Analysts
- Safety supervisors
- Building inspectors
- Small Business Owners
- Safety Committee Representatives

Education Credits

3.20 CEU



Accident Investigation Supervisors (CAIS)

Course Length: 2 Days

Course Fees: \$395.00

Professional Credential: Accident Investigation Supervisor (CAIS-Technician)

Program Objective

When an accident happens in the workplace, a thorough and complete accident investigation must be conducted to prevent similar mishaps in the future, and to comply with legal and policy standards. The supervisors or team leaders are the most likely to be called upon to investigate any accident that occurs in your work area. If that investigation is to be meaningful, it must identify all the causes of the accident; and provide appropriate recommendations for corrective actions to either eliminate or control the causes.

This program explains how to systematically gather and analyze the information you need to develop recommendations for preventing similar accidents. It also explains how to use the information to improve the way you manage health, safety and the environment.

When you complete this course, you will be able to:

- Respond to an accident and effectively control to accident scene.
- Conduct a comprehensive investigation to determine the causes of an accident.
- Make appropriate recommendations for corrective action for all Root Causes.
- Develop and complete an accurate, useful investigation report.
- Make recommendations for ways of improving your health, safety and environmental management approach.

Whether you are directly responsible for conducting the investigation or not, this course will help you understand the importance of the information obtained from an investigation and how it can help improve the overall management of the Health and Safety Department.



Certified Aerial Lift / Work Platform Operator- Technician Level

Course Credential: CALO-Technician Level

Course Fees: \$295.00

Course Length: 2 Days

Course Description:

This program is designed for individuals who work from, or operate, boom lifts, scissor lifts and/or push-around equipment. This course covers all the safety aspects regarding pre- and post-use checks, regulations, fall protection and general use. The course format includes a combination of presentation, question and answer, practical application and final exam. Aerial lifts, also known as boom lifts, bucket trucks, and cherry pickers, are used throughout construction and general industry workplaces.

Even though aerial lifts are generally safer than ladders, or climbing to height, more than 26 workers are killed every year in accidents. During a seven-year period, there were 207 fatal aerial lift accidents. The most common accidents and fatalities related to aerial lifts were electrocution (69) and falls (64), which represent more than half of fatalities.

To prevent these types of injuries OSHA requires employees to receive training on aerial lifts before using them in the workplace. This training program is designed to provide that training.

Who needs to be trained?

Any employee who operates, maintains or supervises employees using an aerial lift. An aerial lift is any vehicle-mounted device used to elevate personnel, including:

- Extendable boom platforms,
- Aerial ladders,
- Articulating (jointed) boom platforms,
- Vertical towers, and
- Any combination of the above.

This course covers the following:

- Pre and post use of equipment
- Explanations of electrical hazards,

- Fall, and falling object hazards;
- Recognizing and avoiding unsafe conditions in the work setting;
- Instructions for correct operation of the lift (including maximum intended load and load capacity);
- Demonstrations of the skills and knowledge needed to operate an aerial lift before operating it on the job;
- When and how to perform inspections; and Manufacturer's requirements.

OSHA & American National Standards Institute Standards covered:

OSHA Standards Covered:

29 CFR 1910.67,
 29 CFR 1910.269(p), 29 CFR 29
 CFR 1926.21,29
 CFR 1926.453,
 29 CFR 1926.502.

American National Standards Institutes standards:

ANSI/SIA A92.2-1969,
 ANSI/SIA A92.3,
 ANSI/SIA A92.5,
 ANSI/SIA A92.6



AHA CPR & AED Safety Training Program

Course Length: 1 Day

Course Fees: \$295.00

Program Objective:

The Red Cross is widely regarded as the most trusted provider of health and safety training that meets Occupational Safety & Health Administration guidelines and many other professional and regulatory standards. Training classes are available for people of any age, and for scheduling flexibility, they're conducted in online and traditional classroom settings.

The **First Aid with CPR and AED Course** provides the skills to effectively assess and maintain life from the critical minutes immediately following an emergency until the arrival of emergency medical services personnel. The course also provides corporations with a complete health and safety training solution for First Aid CPR and AED.

Course Description: The First Aid with CPR and AED Course teaches rescuers to effectively recognize and treat emergencies in the critical first minutes until emergency medical services personnel arrive.

Our Red Cross instructor comes to your facility and trains your employees at a time that works best for you – during the day, at night, even on weekends. Training includes half-day and full-day first aid,

Intended Audience Persons assigned to respond to emergencies in the workplace or community as well as those who want to learn First Aid, CPR and AED. Some rescuers are required to take this course as part of their employer's efforts to comply with OSHA regulations, e.g., corporate employees, security guards, airline personnel, lifeguards and other individuals who want or need first aid training.

Written/Skills Exam: Not required for completion card



Certified Asbestos Awareness Specialist Course (CAAS)

Course Length: 1 ½ Days

Course credential: CAAS

Course Fees: \$295.00

Program Overview

OSHA's asbestos standard for general industry at 29 CFR 1910.1001(j)(7)(iv) requires employers to provide an asbestos awareness training course for employees who perform housekeeping operations in areas where an asbestos-containing material (ACM) or presumed asbestos-containing material (PACM) is present. The elements of the course must include the health effects of asbestos; locations, signs of damage and deterioration of ACM and PACM; the proper response to fiber release episodes; and the standard requirements related to housekeeping. This training must be held annually and conducted so that all employees understand it.

Asbestos Awareness training course provides students with the information they will need to identify work areas where asbestos may be present, understand the harmful effects of asbestos, describe methods to avoid asbestos exposure, and become familiar with OSHA and EPA standards designed to protect workers on the job site, among many other important topics.

Students who should take this course are those who may be exposed to asbestos on the work site. This training is NOT for those workers that perform asbestos abatement activities and does not provide equipment training for workers required to use personal protective equipment (PPE) on the job site.

Additional training with site-specific protective equipment must be provided by the employer using the equipment that will be used on site prior to or at the time of initial assignment.



Certified Asbestos Craft Worker / Roofer (CACW)

Course Length: 1 Day

Course Fees: \$295.00

Program Overview

The course has been approved by the State of California for those who perform removal of asbestos roofing materials. This **8-hour** course is based upon the requirements of the State of California Division of Occupational Safety and Health. The course is designed for the Roofing Contractor's employees that may disturb asbestos containing roofing material.

The student is provided important information about the different types of roofing materials/components that may contain asbestos and the health effects of asbestos exposure. In addition, the student learns specific measures for personal protection, engineering controls and techniques for dealing with asbestos containing roofing materials. Training is accomplished through lectures, use of audiovisual aids, demonstrations and hands-on experience.

Topics covered include:

- introduction to regulations,
- Health effects,
- Personal protective equipment,
- Removal of cementitious shingles, transite boards, felts and flashings, and
- Safety issues as it relates to roofing work.

Courses are offered in both English and Spanish.

Prerequisite: None



Certified Back Injury & Muscle Injury Specialist

Course Length: 2 ½ Days

Course Fees: \$495.00

Course Credential: CBMS

Program Objective

Awareness of the importance of back safety in the workplace is on the rise, as repetitive motion and back injuries plague more than one million U.S. workers every year. Back injury is the cause of one in five workplace injuries or illnesses and one-fourth of all compensation indemnity claims involve back injuries, costing employers billions.

Preventing on-the-job back injuries and helping your workers keep their backs safe is a constant effort. Providing your employees with back safety and proper lifting training including enforcing and teaching safe lifting techniques, good body mechanics and other methods to avoid back stress and strain is an important step in the fight against back injury.

Course Objectives

Upon completion of the Back Safety Awareness course, the student will be familiar with:

- The back and how it functions in simple terms
- Ergonomics
- Body mechanics, posture and habits that can lead to back injuries
- Incorporating warm up and stretching exercises into work and home habits
- Best practices that will help prevent back injuries



Certified Behavior Based Safety Specialist

Course Credential: Behavior Based Safety Specialist (CBBS)

Course Length: 4 Days

Course Fees: \$895.00

Course Objectives:

Given that 96 percent of all workplace accidents are triggered by unsafe behavior, most will be aware that reducing accidents and improving safety performance can only be achieved by systematically focusing upon those unsafe behaviors in the workplace. This course will provide insight into current knowledge of human error and how it can be reduced. The course also focuses on human errors related to undesired behaviors (habits), what causes these, and how to effectively remedy these undesired behaviors. .

Topics

- Choosing the "Right Approach"
- Basic principles of behavior-based psychology
- Cultural behavior
- Intervening in Behavior
- Continuous improvement
- Increasing positive behaviors
- The Reciprocity Principle
- Overcoming resistance to change

Audience

- Construction industry personnel
- Managers
- Industrial hygienists
- Safety supervisors
- Building inspectors
- Small Business Owners
- Safety and healthcare Industry Professionals

Course Composition:

This is a stand-alone course with no additional components.

Course Prerequisites:

There are no prerequisites for this course.



Certified Bloodborne Pathogens & Needle Stick Specialist Course Credential: (CBPS)

Course Duration: 1 day

Course Fees: \$295.00

Our Certified Bloodborne Pathogens Specialist certification covers:

- How to develop and implement an effective written bloodborne pathogen program
- How to determine and eliminate exposure to bloodborne pathogens
- Understand OSHA and State OSHA methods of compliance
- How to handle and treat regulated hazardous waste
- And much more!

Certification: Certified Bloodborne Pathogens Specialist (CBPS)

Course Objectives:

Bloodborne Pathogens, because of different injuries, especially via contaminated sharps and needle sticks, continue to be a serious and significant public health concern. Anyone working with and around blood or other potentially infectious materials is at risk of exposure to Bloodborne Pathogens, which include AIDS, HIV, HBV (Hepatitis B), and Hepatitis C. Workers in the health care industry and public safety jobs are especially exposed to Bloodborne Pathogens.

Among them there are Doctors, Dentists, Nurses, Fire & Rescue personnel, Police Officers, Laboratory workers, Custodial workers, Housekeepers, Laundry workers and so on. However, it is very important to remember that those who do not have direct contact with blood or other potentially infectious materials are also at risk of exposure to Bloodborne Pathogens.

DO YOU

- Handle human blood products, such as whole blood, plasma, serum, platelets, or white cells?
- Handle human body fluids such as semen, cerebrospinal fluid, vaginal secretions, joint fluid, pleural fluid, peritoneal fluid, pericardial fluid, or amniotic fluid?

- Work with animals, such as primates that are infected with hepatitis B or other blood borne pathogens OR perform tasks where such animals are housed?
- Handle unfixed human tissue, organs, or primary cell strains? (e.g., tissues soaked in chemical preservatives such as alcohol or formaldehyde are "fixed")?
- Work with hepatitis B virus or other blood borne pathogens or with preparations, such as liquid solutions or powders containing the hepatitis B virus.
- Handle blood, blood products, body fluids or unfixed tissues or organs of animals infected with the hepatitis B virus or other blood borne pathogens.
- Handle sharp instruments such as knives, needles, scalpels, or scissors which have been used by others working with human blood or other potentially infectious materials to include human organs, tissue or body fluids OR used by others working with similar body parts and fluids from animals infected with the hepatitis B virus or other blood borne pathogens?
- Enter areas where other individuals work with human or animal blood, body fluid, tissues or organs which are infected with the hepatitis B virus or other blood borne pathogens AND perform tasks where any of the previously mentioned body substances may meet the laboratory worker's unbroken skin, broken skin, or mucous membranes?
- Perform tasks which may potentially result in the lab workers exposed skin or mucous membranes encountering human or animal blood, body fluids, organs, or tissues which are infected with the hepatitis B virus or other blood borne pathogens?

If your answer was **YES** to any of these questions, then you are at occupational risk of contracting HBV or other blood borne pathogens.



Certified Bloodborne Pathogens & Needle-stick Specialist (Train the Trainer)

Course Credential: (CBPS-Trainer)

Course Duration: 3 days

Course Fees: \$695.00

Course Objectives:

This course is intended for individuals who will be teaching the Bloodborne Pathogens Standard to an adult audience. Students will learn presentation skills and the principles of teaching adults. It is recommended that students attend the one-day Bloodborne Pathogen course or have some familiarity with the topic of Certified Bloodborne Pathogens before attending this course. Students will be required to develop and present a 30-minute training program during this course.

Our Certified Bloodborne Pathogens Specialist certification covers:

- How to develop and implement an effective written bloodborne pathogen program
- How to develop proper teaching techniques
- How to Understand OSHA and State OSHA regulations and explain methods of compliance to your employees
- How to demonstrate the proper techniques on handling and treating regulated hazardous waste
- And much more!

DO YOU

Handle human blood products, such as whole blood, plasma, serum, platelets, or white cells?

- Handle human body fluids such as semen, cerebrospinal fluid, vaginal secretions, joint fluid, pleural fluid, peritoneal fluid, pericardial fluid, or amniotic fluid? Note - The following human secretions that do not contain blood are NOT covered: urine, feces, vomit, tears, sweat, sputum, nasal secretions, and saliva.

- Work with animals, such as primates that are infected with hepatitis B or other blood borne pathogens OR perform tasks where such animals are housed?
- Handle unfixed human tissue, organs, or primary cell strains? (e.g., tissues soaked in chemical preservatives such as alcohol or formaldehyde are "fixed")?
- Work with hepatitis B virus or other blood borne pathogens or with preparations, such as liquid solutions or powders containing the hepatitis B virus.
- Handle blood, blood products, body fluids or unfixed tissues or organs of animals infected with the hepatitis B virus or other blood borne pathogens.
- Handle sharp instruments such as knives, needles, scalpels, or scissors which have been used by others working with human blood or other potentially infectious materials to include human organs, tissue or body fluids OR used by others working with similar body parts and fluids from animals infected with the hepatitis B virus or other blood borne pathogens?
- Enter areas where other individuals work with human or animal blood, body fluid, tissues or organs which are infected with the hepatitis B virus or other blood borne pathogens AND perform tasks where any of the previously mentioned body substances may encounter the laboratory worker's unbroken skin, broken skin, or mucous membranes?
- Perform tasks which may potentially result in the lab workers exposed skin or mucous membranes encountering human or animal blood, body fluids, organs, or tissues which are infected with the hepatitis B virus or other blood-borne pathogens?

If your answer was **YES** to any of these questions, then you are at occupational risk of contracting HBV or other blood-borne pathogens.



Certified Petroleum Safety, Health and Environmental Manager (Drilling and Servicing) (CPSHEM)

Course Duration: 5 Days

Course Fees: \$1495.00

Course Description: This course covers:

- Introduction to OSHA & EPA Regulations
- Identification of common hazards and how to prevent accidents
- Identify components of an oil and gas drilling rig
- Site preparation
- Drilling operations and procedures
- Well completion and transition procedures
- Servicing procedures
- Plug and abandon a well

Certification: Certified Petroleum Safety Specialist (CPSHES)-Drilling and Servicing

Course Information: The oil and gas industry employs hundreds of thousands of people and is a vital component of the national economy. Worker safety and health are important to this industry. Exposures to hazards present in the oil and gas well drilling, servicing and storage are addressed in specific standards for general industry.

Course Objectives: This course provides essential information for employees and employers to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the onshore oil and gas exploration and production industry. This includes work sites associated with the onshore exploration and production oil and gas industry including, but not limited to construction, drilling, completion, well servicing, production, product gathering and processing, and product transmission. This course is intended for employees and employers engaged in all phases of onshore oil and gas exploration and production.

Course Prerequisites: There are no prerequisites for this course.



Certified Safety, Health & Environmental Administrator (CSHEA)

Course duration: 5 Days

Course Credential: Certified Safety, Health and Environmental Administrator (CSHEA)

Course Fees: \$2795.00

Our Certified Safety, Health, and Environmental Administrator Certification will show you:

Safety, health and environmental specialists and administrators protect the well being of the public and the environment by ensuring that safety, health and environmental regulations and workplace safety standards are met. These professionals often work for the corporations, federal, state or local government and might spend work hours in locations as varied as mines or factories.

A Certified Safety, Health and Environmental Administrator plans, organizes, coordinates, and implements comprehensive safety and loss control/prevention programs and activities for the employer, implements program goals and objectives; evaluates safety training requirements; inspects facilities and equipment for compliance with mandated safety regulations; performs a variety of administrative tasks in support of assigned area of responsibility; and exercises fairly independent judgment and decision making in the course of duties performed.

This course covers the following:

- How to perform as a safety, health and environmental manager and administrator
- How to plan, conduct, and manage safety, health and environmental training that changes the way your management and employees work
- How to save money by developing your own safety, health and environmental programs
- How to avoid civil and criminal liability for accidents/injuries
- How to interpret and manage the application of OSHA, DOT and EPA regulations
- How to analyse and document workplace hazards
- How to manage workplace safety, health and environmental inspections/audits

- How to investigate, analyse and document workplace accidents
- How to develop, implement, and manage your own safety, health and environmental programs
- How to create and manage a successful safety culture
- How to manage hazardous materials

Course Prerequisites: There are no prerequisites for this course.

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Safety, Health, Environmental Manager Train the Trainer Course (CSHEM -Trainer)

Course Credential: CSHEM-Trainer

Course Fees: \$2795.00

Course duration: 5 Days

Our Certified Safety, Health and Environmental Manager (CSHEM) Certification Course will show you:

The Certified Safety, Health and Environmental, Manager (CSHEM) is a certification held by those with experience and expertise in the developing, designing, and delivering safety, health and environmental programs. Staying up-to-date and maintaining safety, health and environmental programs is an essential part of occupational health and safety management. This program is designed for Construction and another course is designed for General Industry, and Healthcare Industries.

Our Train the Trainer courses are designed to provide participants with the proper knowledge, techniques and materials needed to successfully teach others a wide variety of health and safety topics and assist your organization in maintaining legislative compliance.

Course Topics:

- Adult Education Principles
- Writing Learning Objectives
- Developing Training Content
- Use of Multimedia in Presentations
- Training Methods and Techniques
- Resources for Safety Training
- Introduction to OSHA
- Bloodborne Pathogens
- Confined Space Entry
- Electrical Safety
- Ergonomics
- Hazard Communication / Global Harmonization
- Hazardous Materials
- HAZWOPER (if HTS and Technician Certifications are current)
- Inspections

- Lockout Tagout
- Machine Guarding
- Materials Handling
- Means of Egress
- Fire Prevention
- Personal Protective Equipment (PPE)
- Record Keeping
- Workplace Violence
- Walking / Working Surfaces
- And More

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists

Course Prerequisites: There are no prerequisites for this course.



Certified Coastal Water Oil Spill Control - Tactical and Operations Level (CWOSC)

Course Length: 5 Days

Course Fees: \$1195.00

Course Description

Description

This 40-hour core course addresses responses to oil spills in estuarine and coastal environments. It is designed for people in industry, the regulatory community, and the emergency response disciplines who may be required to respond to an oil-spill incident.

This course utilizes classroom discussion, multimedia presentations, and practical hands-on exercises to provide you with essential information and training needed to effectively manage a spill-response operation. You will assume leadership roles and direct simulated response operations under the supervision of the instructors.

Prerequisite

There are no prerequisites for this class

Topics

- Aerial surveillance
- Boom and skimmer design
- Communications equipment
- Containing and recovering oil on surface water
- Contingency planning and response team training
- Movement, containment and cleanup of oil
- Oil recovery from soil and oily debris disposal
- Oil-spill contractors and cooperatives
- Reporting and documenting oil spills
- Security, damage claims and public relations
- Shoreline protection, cleanup and restoration
- Sorbents and chemical agents

Audience

- First responders

- Construction Managers
- Building Contractors
- Safety Supervisors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel
- Government employees
- Any other individuals who may be tasked with responding to oil spill incidents

Recommendation

Due to the strenuous nature of class activities, you should secure a professional evaluation of your physical condition prior to enrolling in this course.

Education Credits

4.00 CEU



Certified Coastal Water Oil Spill Control – Refresher Course (CWOSC)

Course Length: 3 Days

Course Fees: \$695.00

Course Description

This 24-hour core course re-emphasizes hands-on capabilities for responding to oil spills in estuarine and coastal environments. It is designed for people in industry, the regulatory community, and the emergency response disciplines who may be required to respond to an oil-spill incident.

The course provides you with interesting and challenging response scenarios beyond basic response skills. Classroom time accounts for approximately six hours of training time. The remainder is hands-on field time with emphasis on booming strategy and tactics.

Prerequisite

- 40-hour Coastal Oil Spill Control or equivalent course or demonstrable hands-on experience from past spill events or training exercises.

Topics

- Boom and Skimmer Design and Function
- Containment and Cleanup Strategy and Tactics
- Large Scale Simulated Release Exercise
- Mobile Skimming Operations
- Multiple boom deployment operations to include Cascade booming operation, Vessel/Rig enclosure containment operation, Mobil booming operation
- Skimmer and Crude Oil Exercise
- Sorbents and chemical agents
- National Incident Management System (NIMS) Incident Command System (ICS) Communications Exercise
- Decontamination, Personal Protective Equipment (PPE) and Hazardous Waste Operations
- Emergency Response (HAZWOPER) Issues
- Natural Resource Damage Assessment (NRDA) and Shoreline Assessment Issues

Audience

- First responders

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Government employees
- Any other individuals who may be tasked with responding to oil-spill incidents

Recommendation

Due to the strenuous nature of class activities, you should secure a professional evaluation of your physical condition prior to enrolling in this course.



Certified Collateral Duty Course for Other Federal Agencies (CCDFA)

Course Credential: CCDFA

Course Length: 4 Days

Course Fees: \$895.00

Program Objective:

This course introduces federal agency collateral duty safety and health personnel to the OSH Act, Executive Order 12196, 29 CFR 1960 and 29 CFR 1910. The training enables participants to recognize basic safety and health hazards in the workplace and effectively assist agency safety and health officers with inspection and abatement efforts.

Prerequisite

There are no prerequisites for this class

Topics

- Federal Agency Safety and Health Program
- Introduction to the OSH Act
- Inspection field trip, write-up, and review
- Introduction to Accident Investigation
- An introduction to Industrial Hygiene
- Hazard communication
- Office safety
- Walking/working surfaces
- Personal protective equipment
- Materials handling and storage
- Machine guarding
- Means of egress and fire protection
- Electrical standards

Audience

- Construction Managers
- Building Contractors

- Safety Supervisors
- Building Inspectors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Collateral Duty Course for Other Federal Agencies (Supervisors & Managers) (CCDFA)

Course Credential: CCDFA - Management

Course Length: 5 Days

Course Fees: \$895.00

Course Length: Four (4) Days

Credit: 3.2 CEU

Course Fees: \$595.00

Note: Textbook: This course may also include a formal textbook titled "Safety and Health in Confined Spaces 1st Edition for the student to use for their proctored examination. The Textbook, which is valued at \$90.00, does not have to be returned but is included in the price of taking this course.

Proctored Examination: At the end of this course the student will take a proctored open-book examination. A passing score of 80% percent is required. Should you not pass on the first attempt, you will be offered two more attempts for a total of (3) times to pass the examination. Should you fail on all three (3) attempts, you must retake the course.

Program Objective:

This course introduces Federal agency collateral duty safety and health personnel to the Occupational Safety and Health Administration, Executive Order 12196, 29 CFR 1960, and 29 CFR 1910. Students will learn how to recognize basic safety and health hazards in their workplaces, as well as how to effectively assist agency safety and health officers with inspection and abatement efforts.

Prerequisite

There are no prerequisites for this class

Topics

- Federal Agency Safety and Health Program
- Introduction to the OSH Act
- Inspection field trip, write-up, and review
- Introduction to Accident Investigation
- An introduction to Industrial Hygiene

- Hazard communication
- Office safety
- Walking/working surfaces
- Personal protective equipment
- Materials handling and storage
- Machine guarding
- Means of egress and fire protection
- Electrical standards

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Confined Space Specialist (CCSS)

Course Credential: (CCSS)

Course Length: Four (4) Days

Credit: 3.2 CEU

Other Credit: ABIH 3.34 CM Points, BCSP 2.4 COCs

Course Fees: \$595.00

Note: Text Book: This course may also include a formal text book titled "Safety and Health in Confined Spaces 1st Edition for the student to use for their proctored examination. The Textbook, which is valued at \$90.00, does not have to be returned but is included in the price of taking this course.

Proctored Examination: At the end of this course the student will take a proctored open book examination. A passing score of 80% percent is required. Should you not pass on the first attempt, you will be offered two more attempts for a total of (3) times to pass the examination. Should you fail on all three (3) attempts, you must retake the course.

Program Objective

This course covers the safety and health hazards associated with permit-required confined space entry. Course topics include recognition of confined space hazards, identification of permit and non-permit required confined spaces, use of instrumentation to evaluate atmospheric hazards, ventilation techniques, development and implementation of a confined space program, proper signage, and training requirements.

Upon course completion students will have the ability to identify permit and non-permit required confined spaces, reference the OSHA Permit-Required Confined Spaces Standard, conduct atmospheric testing, and implement a permit-required confined space program.

Program Objective

This course is four (4) days in length. Student completion meets the training requirements specified under OSHA regulatory standards for attendant, confined

space entry and confined space entry supervisor.

At the completion of this course students will be acquainted with:

- Basic safety management
- Recognizing a confined space
- When is a confined space permit required?
- Atmospheric hazards
- Entrant duties
- Attendant duties
- Entry supervisor duties
- When is a secondary stand-by required?
- Rescue and emergency services
- The entry permit
- Confined space preparation
- Isolating the permit space
- Atmospheric testing
- Purging & ventilating
- Safety equipment
- Contractor/host employer responsibilities
- Confined space rescue
- Written examination included
- Horizontal Entry Procedures

Audience

- Construction Managers
- Supervisors & Managers

- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Confined Space Specialist Program (CCSS)

Course Credential: CCSAS

Course Fees: \$595.00

Course Length: 4 Days

Program Objective

The goal of this course is to train the students to work safely around confined space areas. This awareness class is designed for employees whose job DOES NOT require confined space entry but who are exposed to confined spaces and must be aware of the hazards.

Program Agenda

- Identify types of hazards in confined spaces
- Procedures to follow before entering a confined space
- Define the terms oxygen deficiency versus oxygen enrichment
- Recognize the concept of lower and upper flammable limits
- Isolation, entering and special procedures to enter a confined space
- Identify confined space hazards, such as hydrogen sulphide and carbon monoxide toxins
- General duties of the Attendant, Entrant and Supervisor
- Define the difference between non-permit and permit entry confined spaces
- Describe the importance of following confined space rescue procedures

Who should take this course?

All industries that conduct confined space entry activities including:

- Construction Managers
- Building Contractors

- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists

Prerequisite: None



Certified Confined Space Entry (Permit Required) Program

Professional Credential: (PCSE)

Course Fees:795.00

Course Length: 3 Days

Program Objective

The goal of this course is to comprehensively address in detail, in theory and practical exercises, the vital knowledge necessary to participate in confined space entry operations safely.

Program Objective

This course is 24 hours in length. Student completion meets the training requirements specified under OSHA regulatory standards for entrant, attendant and entry supervisor.

At the completion of this course students will be acquainted with:

- Basic safety management
- Recognizing a confined space
- When is a confined space permit required?
- Atmospheric hazards
- Entrant duties
- Attendant duties
- Entry supervisor duties
- When is a secondary stand-by required?
- Rescue and emergency services
- The entry permit
- Confined space preparation
- Isolating the permit space
- Atmospheric testing

- Purging & ventilating
- Safety equipment
- Contractor/host employer responsibilities
- Confined space rescue
- Written examination included
- Horizontal Entry Procedures

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists



Certified Construction Safety Standards Specialist (CCSS)

Course Credential: CCSS

Course Fees: \$995.00

Course Length: 4 Days

Course Objectives:

This 4-day Construction is for students wanting to learn the 29 CFR 1926 standards, this course is a must. Learn crucial OSHA policies, procedures, and standards, as well as construction safety and health principles as they relate to real world situations. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide.

Learning Outcome:

Upon successful completion of this course, the student will be able to develop formal safety programs, research and understand OSHA construction industry regulations, letters of interpretation and directives and much more.

Topics covered:

- Effects of Workplace injuries and illnesses
- Mission and importance of OSHA in the workplace
- Organization, origin, codification of OSHA Standards
- Processes and Rules for OSHA inspections, citations, penalties and policies
- Walking and working surfaces hazards, ladders and scaffolds
- Emergencies including fire protection
- Fall Prevention, ANSI Z359 standards, Subpart M.
- Personal Protective Equipment
- Hazardous Materials / Global Harmonization
- Excavation & Trenching
- Materials Handling and Storage hazards
- Permit-Required Confined Space hazards
- Electrical hazards
- Hazardous energy hazards Lockout and Tagout
- And more

IASHEP Certified Construction Industry Competent Person Train the Trainer Course (CCPT)

Course Credential: CCPT

Course Duration: 4 days

Course Fees: \$895.00

Course Objectives:

The focus of this Trainer course is to prepare students to teach the IASHEP 10- and 30-Hour classes. Course time is spent learning and practicing adult training techniques. Students will participate in the development and delivery of lectures during class. Thorough knowledge of OSHA construction Industry Standards (CFR 1926) is required. Upon successful course completion, students become authorized IASHEP Trainers in the 10- and 30-Hour Program.

Our training covers specific OSHA regulations and requirements not specific to those working construction-only jobs. Workers taking construction industry courses usually have jobs related to the construction industry.

Note: This is not an OSHA Outreach Training program.

Course Prerequisite: Students must successfully complete the IASHEP 015 Occupational Safety and Health Standards for Construction *and have five (3) years* of safety and health work experience in the construction industry. A degree in occupational safety and health, or similar upper level IASHEP credentials, Certified Safety Professional (CSP) or a Certified Industrial Hygienist (CIH) designation may be substituted for two (2) years of work-related experience. Trainers are required to attend IASHEP 205 *Update for Construction Industry Trainers* at least once every four (4) years to maintain their trainer status.

Course Topics:

- Global Harmonization / Hazard Communication
- Fire Prevention & Protection
- Permit Required Confined Spaces
- Flammable & Combustible Liquids
- Fall Prevention including roofing and Subpart M.
- Scaffolds and elevated work surfaces.

- Personal Protective Equipment
- Excavation & Trenching and Shoring
- Welding, Cutting & Brazing
- Steel Erection and More...

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists



Certified Dental Office - Infection Control (CDICS)

Course Credential: CDICS

Course Length: 1 Day

Course Fees: \$295.00

This program will present the fundamentals of infection control and provide tips for implementing better infection control practices in the dental office. The program content is based on CDC's 2003 Recommended Infection Control Practices for Dentistry.

Information on the safe use of hazardous chemicals is also included. The application of the concepts presented in this program will help ensure a safe clinical environment for patients and dental health care workers and maintain compliance with OSHA and the state dental board.

Objectives: At the completion of this program, participants should be able to:

- Implement an effective infection control program for the dental office;
- Explain the concepts of standard precautions and infection control and prevention;
- Effectively utilize personal protective equipment; and
- Safety and effectively disinfect environmental surfaces and reprocess contaminated dental instruments



Certified DOT HAZMAT Specialist Course (CDHS)

Course Certification: DOT HAZMAT Specialist (CDHS)

Course Length: 3 Days

Course Fees: \$795.00

Our DOT HAZMAT Specialist certification covers:

- The Hazardous Materials Table
- Shipping Papers
- Packaging
- Marking and Labelling
- Placarding
- Carrier Requirements
- And much more!

Course Objectives:

Hazardous materials are defined by the Secretary of Transportation as those materials and substances that can pose an unreasonable risk to health, safety and property when transported in commerce. There are more than 800,000 hazardous materials shipments every day.

The U.S. Department of Transportation is responsible for developing, issuing and enforcing the Hazardous Materials Regulations which are found in Title 49, Code of Federal Regulations, Parts 171-180. If you are involved in the transportation of hazardous materials and need to know how to apply these regulations or how to teach them to others, this course is for you. Be sure you are following the regulations.

You will learn about the Hazardous Materials Table, Shipping Papers, Packaging, Marking, Labelling, Placarding, HAZMAT Classification, Emergency Response Information, Training of HAZMAT Employees, Transportation, Incident Reporting, the Emergency Response Guide, and Carrier Requirements for Highway, Air, and Rail.

Learning Outcome:

Upon successful completion of this course, the student will be able to utilize the instructions in the DOT's Emergency Response Guide, read and understand the Hazardous Material Table from the DOT regulations, specify HazMat shipping and packaging requirements, specify marking and labeling requirements for HazMats and specify carrier requirements for transporting HazMats.

Certified Hotel, Resort & Casino Custodial, Janitors & Housekeeper Safety Manager Training (CJHM)

Course Description: The objective of this course is to engage students in active discovery of hotel, resort and casino safety & risk management principles. Students will learn all aspects of safety and health regulations and procedures in the hospitality industry as it relates to housekeeping, custodial and janitorial services.

Course Credential: CJHM

Course Duration: 5 Days

Course Fees: \$1195.00

Student Learning Outcomes

Students who successfully complete this course will be able to:

- Understand OSHA and CAL-OSHA regulations
- Prevent Injuries in hotel, resort and casino safety industry operations.
- Understand requirements for janitors and housekeepers in a hotel, resort and casino safety industry.
- Prevent Injuries in hotel, resort and casino safety environments.
- Understand Requirements for Risk Management Operations

Assessments and Evaluation of Student Performance

100% attendance is the sole basis for assessing a student's performance



Certified Electrical Safety Specialist (CESS-70E Arc Flash)

Course Length: 4 Days

Course Fees: \$1295.00

Certification: Certified Electrical Safety Specialist (CESS – OSHA/70E Arc Flash)

The CESS training course is designed to save lives, prevent disabling injuries, and prevent damage to plants, building and equipment. Based on NFPA 70E and OSHA standards, students attending this course will gain an immense respect for the power of electricity. This course also helps companies' meet their OSHA training obligations as outlined in CFR 1910.331-335.

Learning Outcome: Our Certified Electrical Safety Specialist certification covers:

- How to identify electrical hazards
- The difference between "qualified" and "unqualified" electrical workers
- Safe approach distances to exposed electrical conductors
- Improvements in PPE (Personal Protective Equipment) for electrical safety
- OSHA penalties for noncompliance
- Changes for NFPA 2015 Electrical Safe Work Practices
- Recognizing Electrical Hazards
- Arc Flash/Arc Blast Shock/Electrocution
- Hazard/Risk Category Classifications
- Limits of Approach
- Lockout/Tagout (LOTO) Procedures
- Meter Safety
- Emergency Procedures
- OSHA Requirements

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel

Optional Credits:

- The estimated time required to complete the course is 32 hours, Two (2) CEUS.

Recertification:

- All IASHEP certifications require refresher training once every three years. The certifications should be refreshed before their expiration date.



Electrical Safety 70 E Arc Flash Specialist (Short course)

Course Credential: Course completion certificate

Course Length: 2 Days

Course Fees: \$595.00

Course Objectives:

Course Information: If you work on or near energized electrical systems, have a safety role at these sites or are an emergency responder, this course is for you.

The new electrical safety standards (NFPA 70E) are the next step to a safer electrical environment in the workplace. Anyone who deals with hazards such as electrocutions, fires and explosions should attend.

WHO SHOULD ATTEND

All personnel with electrical safety responsibilities in a position of leadership in which you may have to train other personnel. Some of the positions could include engineering, technician, maintenance supervisor, plant manager, electrical, master electrician, mechanical supervisor, production manager, safety coordinator, electrical contractors and others who may work around energized electrical systems.

Course Topics Include:

- Discuss the hazards of arc flash/blast
- List the best work practices to protect employees
- Understand the selection and use of PPE
- Interpret the labels on electrical equipment
- Overview of an arc flash/shock hazard analysis
- Discuss the NFPA 70E and OSHA standards
- Know how to apply adult learning techniques

Identify the elements of an electrical safety program

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Hazardous Waste Managers
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel

PREREQUISITES:

It is recommended that attendees each have knowledge of basic electricity and safety hazards.



Certified Electrical Safety Specialist (CESS- Low Voltage)

Course Credential: CESS

Course Fees: \$1195.00

Course Length: 4 Days

Our Certified Electrical Safety Specialist certification covers:

- OSHA low voltage electrical standards
- Hazards of Contact with Electricity
- Properties of Electricity
- Electrical Shock
- Burns Caused by Electricity
- Recognizing Hazards
- Evaluating Hazards
- OSHA Low Voltage Standards
- NFPA 70 E
- And much more!

Certification:

Certified Electrical Safety Specialist (CESS)

Course Objectives:

This course provides an understanding of the principles of electricity and the electrical hazards common to business and industry. It examines the common electrical injuries to employees and how to prevent them. You will learn how to recognize, evaluate, and control electrical hazards. The course covers regulatory compliance and safe work practices.

Learning Outcome:

Upon successful completion of this course, the student will be able to understand the physical and health hazards associated with electricity, identify and explain electrical protective devices, understand electrical theory and terminology, understand and apply electrical design requirements.

Optional Credits:

The estimated time required to complete the course is 32 hours, Two (2) CEUs.

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel

Recertification:

All IASHEP certifications require refresher training once every three years. The certifications should be refreshed before their expiration date.



Certified Electrical Systems Specialist (Hazardous Location)

Course Credential: CESS (Hazardous Locations)

Course Length: 4 Days

Course Fees: \$1195.00

Course Description:

Identify hazardous zones; learn codes, standards and certification requirements. The National Electrical Code® (NEC) defines hazardous locations as those areas where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings.

Articles 500 through 504, and 510 through 517 provide classification and installation standards for the use of electrical equipment in the three classified hazardous locations: type, condition and nature. Also learn about design issues, proper grounding and bonding, safe wiring methods and maintenance techniques.

Course Outcome, you will learn:

- OSHA regulations as they apply to Hazardous locations
- Basic installation requirements
- Hazardous location identification
- Design issues
- Grounding and bonding
- Codes, standards, certification, and marking
- Other protective schemes
- Wiring methods
- Maintenance

Who is This Class For? People who will benefit from attending this course includes:

- Electricians
- Mechanics
- Environmental health & safety personnel
- Apprentice and experienced HVAC technicians

- Supervisors working on or who oversee employees working on 50V or greater equipment
- Linemen & Utility workers
- Owners & managers
- Maintenance Technicians
- Fire Alarm Technicians
- Plant & facility maintenance technicians
- Building engineers
- Building managers & superintendents
- Plant & facility managers
- Stationary engineers
- Safety director



Certified Electrical Safety Specialist (High Voltage) Course

Course Credential: CESS (High Voltage Power Generation, Transmission & Distribution & Applicable Industry Sites)

Course Length: 4 Days

Course Fees: \$1295.00

Course Description: High Voltage Electrical Safety for Power Generation, Transmission and Distribution - Industrial Training

Review the OSHA specific requirements for working near high voltage electrical systems, including your responsibilities, training requirements and the definition of a “qualified” person. Learn how to create a safe work environment through understanding electrical hazards and proper work and protection practices.

AGENDA

OSHA Introduction

- Key national consensus standards
- Standards development

Understanding Electrical Hazards

- Electric shocks, arcs and blasts
- Fault current and potential difference
- Electrical safety in industrial plants

29 CFR 1910.269: Electric Power Generation, Transmission and Distribution

- 1910.269(a): Application
- 1910.269(c): Job briefing
- 1910.269(d): Hazardous energy control (Lockout/Tagout) procedures
- 1910.269(g): Personal protective equipment
- 1910.269(i): Hand and portable power tools
- 1910.269(j): Live-line tools
- 1910.269(l): Working on or near exposed lines
- 1910.269(n): Grounding for the protection of employees
- 1910.269(p): Mechanical equipment
- 1910.269(q): Overhead lines
- 1910.269(t): Underground electrical installations
- 1910.269(w): Special conditions

Electrical Safety Work Practices

- Qualified person requirements
- 1910.302-308 High voltage design and installation standards
- 1910.332: Training
- 1910.333: Selection and use of work practices
- 1910.335: Safeguards for personnel protection

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Supervisors working on or who oversee employees working on 50V or greater equipment
- Linemen & Utility workers
- Training Managers
- Industrial Hygienists

Appendices

- OSHA interpretation
- Relevant OSHA standards



EM 385-1-1 Certified Safety & Health Manager (CEMSM- EM-385)

Course Credential: CEMSM (EM-385)

Course Length: 5 Days

Course Fees: \$995.00

Course Description:

The Federal Government requires contractors to comply with EM385-1-1 Safety and Health requirements training before any work is performed on military job sites. There is no official approval process from the United States Government for EM385-1-1 training programs. However; contracting employees must complete this health and safety training per various other federal government mandates.

Learn From The Best.

IASHEP EM385-1-1 Health & Safety training course easily meets and exceeds the standards for the federal government requirements. This course is designed for contractors, military and government employees who enforce or must comply with the EM385-1-1 US Army Corps of Engineers safety and health requirements.

Topics:

While the EM-385 regulations match up well with OSHA rules in the Construction Safety Orders experienced safety and health professional trainers can easily overlook the differences in the specific EM385-1 requirements. This is why the Department of Defense and other government agencies require proof of training that covers the use of the USACE Safety and Health Requirements Manual.

Students will learn procedures of the Navy Facility Command, and US Army Corps of Engineers contracts, and the safety & health requirements of the US Army Corps of Engineers Safety & Health Requirements manual. Upon completion, students receive an official OSHA 30 Hour card for Construction. Areas covered but are not limited to:

Site-Specific Accident Prevention Plan (APP), Intro to OSHA, Site Safety Health Officer's Qualifications & Responsibilities, Activity Hazard Analysis development, Site Personnel training, Incident Response, Job-site Auditing, & Hazard Communication, cranes, rigging, electrical safety, personal protective equipment and much more.

Prerequisite N/A

Required Text

OSHA Standards for General Industry (29 CFR Part 1926) and Current edition & Corps of Engineers EM-385-1-1 manual.

Student Learning Outcomes

1. Identify appropriate EM385-1-1 standards applicable to the construction industry
2. Identify appropriate OSHA 29 CFR 1926 construction standards
3. Identify the requirements of contractors to develop accident & illness prevention plans
4. Apply the requirements for developing Job Safety & Health Analysis (JSWA).



Certified Ergonomics Specialist (CES)

Course Certification: Certified Ergonomics Specialist (CES)

Course Duration: 4 Days

Course Fees: \$995.00

Course Objectives:

In this 4-day Ergonomics Certification course, you will learn the importance of ergonomics in the workplace and how to avoid ergonomic injuries by following OSHA guidelines. **Human factors and ergonomics (HF&E)**, also known as comfort design, functional design, and user-friendly systems, is the practice of designing products, systems or processes to take proper account of the interaction between them and the people that use them.

It is a multidisciplinary field incorporating contributions from psychology, engineering, biomechanics, industrial design, physiology and anthropometry. In essence it is the study of designing equipment and devices that fit the human body and its cognitive abilities. The two terms "human factors" and "ergonomics" are essentially synonymous

Learning Outcome:

Topics covered:

- Evaluation of Working Environment
 - Heat Stress
 - Human Vibration
- Evaluation of Working Condition
- Interactive Ergonomics Plan
- Evaluation of Design of Equipment workstation
- Ergonomics Risk Assessment
- Industrial Ergonomics
- Standing at Work
- Ergonomics for Safety Committee What controls human behavior
- Identifying an inventory of key undesirable behaviors

- Implementation strategies for controlling undesired behaviors
- Learn the principles of ergonomics and their applications.
- Learn about the proper use of equipment, tools, and machine controls
- Use good work practices, including proper lifting techniques.
- Become more aware of work tasks that may lead to pain or injury.
- Recognize early symptoms of MSDs.
- Understand the importance of reporting and addressing early indications of MSDs before serious injury develops.
- Understand procedures for reporting work-related injuries and illnesses, as required by OSHA's injury and illness recording and reporting regulation (29 CFR Part 1904).
- Learn how to conduct a proper workplace evaluation of various work locations i.e., offices, factories, construction sites

Audience

- Safety & Health Professionals
- Safety Supervisors
- Laundry Workers
- Healthcare Managers and Workers
- Training Managers
- Industrial Hygienists



Certified Ergonomics Healthcare Specialist

Course Certification: Certified Ergonomics Healthcare Specialist (CEHS)

Course Duration: 4 Days

Course Fees: \$995.00

Course Objectives:

Nurses and other healthcare workers face many safety and health hazards in their work environments. In fact, healthcare workers experience some of the highest rates of non-fatal occupational injuries and illnesses of any industry sector. In 2012, injuries and illnesses reported for nursing and residential care workers were significantly higher than those in construction, and 2-3 times higher than in retail or manufacturing. Almost half of the injuries and illnesses reported for nurses and nursing support staffs were musculoskeletal disorders (MSDs). Rates of MSDs for nursing assistants (225.8) were almost four times as high as the average for all workers (37.8).

MSDs affect the muscles, nerves and tendons. Work-related MSDs (including those of the neck, upper extremities and low back) are a leading cause of lost workday injuries and illnesses for healthcare and social assistance workers, particularly in nursing homes and residential care facilities. Examples of MSDs include muscle strains and low back injuries, rotator cuff injuries (shoulder problems), and tendinitis.

Learning Outcome:

Upon successful completion of this course, the student will be able to define ergonomics and work-related musculoskeletal disorders (MSD), recognize signs and symptoms of MSD injuries identify risk factors for MSDs, specify controls and practices to eliminate and reduce risk factors and hazards, specify how to report symptoms and hazards, and identify the elements of a successful ergonomics program.

Topics covered:

- Learn the principles of ergonomics and their applications.
- Learn about the proper use of equipment, tools, and other healthcare controls
- Use good work practices, including proper lifting techniques for patients.

- Become more aware of work tasks that may lead to pain or injury in a healthcare facility.
- Recognize early symptoms of MSDs.
- Understand the importance of reporting and addressing early indications of MSDs before serious injury develops.
- Understand procedures for reporting work-related injuries and illnesses, as required by OSHA's injury and illness recording and reporting regulation (29 CFR Part 1904).



Ergonomic Awareness for Nursing Homes & Healthcare Providers

Course Length: 2 Days

Course Fees: \$495.00

Course Description

This course covers Occupational Safety and Health Administration (OSHA) ergonomic guidelines for safe patient handling and methods to protect workers in health care settings. With the use of OSHA's Ergonomics Guidelines for Nursing Homes as a basis for any healthcare facility, this course focuses on analyzing and identifying ergonomic hazards and practical solutions to address these issues.

Course topics include developing an ergonomic process, risk factors in patient handling and transfers, identifying work processes with the potential for musculoskeletal injuries and illnesses, protocol for resident and patient assessment, and implementing solutions including work practices and engineering controls.

Upon course completion students will have the ability to apply OSHA's Ergonomics Guidelines for Nursing Homes in their healthcare facility, understand the benefits of implementing an ergonomics process, and identify, analyze and develop solutions for ergonomic problem jobs in healthcare.

Prerequisite

There are no prerequisites for this class

Audience

- Nursing Home Industry Professionals
- Administrators
- Directors
- Managers
- VPP Program Managers
- Auditors
- Collateral duty safety personnel

- Line supervisors designated with the responsibility to develop an ergonomics process
- Health Care Industry Professionals

Education Credits

0.80 CEU

Ethylene Oxide in a Healthcare Specialist Course

Course Duration: 1 ½ Days

Course Credential: CEOH

Course Fees: \$395.00

Course Objectives:

The purpose of this course is to help employers understand how to monitor the quality of the air in workplaces where ethylene oxide (EtO) is processed, used, or handled. Air monitoring is an important activity that can help alert employers when unsafe levels of EtO are present in the air to promote reduction of employee exposure. EtO can be used more safely if appropriate precautions are taken and if equipment is adequately designed and maintained.

This Course:

- Clarifies the different types of EtO exposure monitoring,
- Lists and explains the exposure levels used by OSHA,
- Reviews the exposure monitoring requirements in OSHA's EtO rules, and
- Outlines the monitoring decisions that the employer needs to make when employees work in areas where EtO is present.

Topics covered:

- Health and fire hazards of ethylene oxide
- How you can be exposed to ethylene oxide
- How we control your ethylene oxide exposure
- How to protect yourself from ethylene oxide
- Use of respirators
- Medical surveillance & medical removal
- OSHA rules on ethylene oxide

Certified Excavations and Trenching Construction Safety Specialist (CETS)

Course Credential: CETS

Course Length: 4 Days

Course Fees: \$895.00

Course Introduction:

Cave-ins are perhaps the most feared trenching hazard. But other potentially fatal hazards exist, including asphyxiation due to lack of oxygen in a confined space, inhalation of toxic fumes, drowning, etc. Electrocution or explosions can occur when workers contact underground utilities. OSHA requires that workers in trenches and excavations be protected, and that safety and health programs address the variety of hazards they face.

Certification: Certified Excavations and Trenching Construction Safety Specialist (CETS)

Learning Outcome:

Upon successful completion of this course, the student will be able to identify safety and health concerns as they relate to excavations & trenches. Students will also gain knowledge in practical soil mechanics and its relationship to the stability of shored and unshored slopes and walls of excavations, be introduced to various types of shoring (wood timbers and hydraulic), soil classification, and use of protective systems.

Testing methods are demonstrated, and students participate in workshops in the use of instruments such as penetrometers, torvane shears, and engineering rods. Upon course completion students will have the ability to assess their employer's compliance with the OSHA Excavation standard, utilize soil testing methods to classify soil types, protective systems for excavation operations, and training requirements

Course Topics: This course covers OSHA standard 1926 subpart P as it relates to:

- Soil classification

- Sloping and benching
- Timber shoring
- Aluminium hydraulic shoring
- Requirements for protective systems
- Manufactured tabulated data
- Site specific engineering
- General requirements and competent person responsibilities

This course also covers the 29 CFR 1910.146 standard as it relates to:

- Identifying permit requirements for confined spaces
- Use of gas monitoring equipment
- Proper ventilation of confined space
- Alternate entry procedures

Audience

- Construction Managers
- Construction Workers
- Building Contractors
- Safety and health professionals
- Supervisors Training Managers
- Industrial Hygienists



Certified Safety & Health Expert Witness Specialist (CEWS)

Course Credential: CEWS

Course Length: 4 Days

Course Fees: \$1395.00

Course Description:

This course introduces How to Start, Build and Run a Successful Expert Witness Practice. This three-day course is an intensive, content rich workshop that is designed to show safety professionals how to start, build, and run a successful expert witness practice.

This course is appropriate for safety, health and environmental professionals including prospective and novice expert witnesses. Students will learn from an experienced faculty in a step-by-step fashion how to start, build, and run a successful and ethical expert witness practice.

Prerequisite: None

Student Learning Outcomes

At the end of the training, the participants will be able to understand:

- The role of expert witnesses in civil litigation,
- Who is considered an expert,
- How to properly define your area (s) of expertise and practice areas, education & degrees
- How to draft a curriculum vitae appropriate for expert witness work,
- How to get cases, marketing your business
- How to avoid ethical problems and maintain your integrity,
- Qualifying the expert,
- Does your attorney want you to write a report or not
- Daubert & Frye Decisions,
- How to draft a retention agreement to protect your rights,
- How to form defensible opinions

- The testifying skills and techniques attorneys are looking for,
- Techniques for maintaining your independence and objectivity,
- Ten golden rules to remember and ten mistakes
- How to build a tremendous reputation,
- Ethics,

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists

Fall Protection Awareness Training

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course Fees: \$295.00

Course Introduction:

Each year in the U.S. falls consistently account for the greatest number of fatalities in the construction industry. In 2004, the Bureau of Labor Statistics (BLS) reported that 1,224 construction workers died on the job, with 36 percent of those fatalities resulting from falls. In addition, the cost of care for injuries related to falls is a financial burden for the entire construction industry.

Events surrounding fall accidents often involve several factors, including unstable working surfaces, misuse of fall protection equipment, environmental factors and human error. Studies have shown that the use of guardrail systems, fall arrest systems, safety nets, covers, and restraint and positioning device systems can prevent many deaths and injuries from falls.

This course is designed to assist you in identifying, evaluating, preventing and protecting your employees from the harmful results of exposure to fall hazards at your construction work sites.

Program Objective

The goal of this program is to inform the students of necessary safe work practices and regulations designed to prevent injuries and death, due to falls while working in elevated surfaces.

This is a very compact and direct course that deals with the issues and fall protection systems immediately relevant to workers on site. Workers will be expected to know how to properly put on a harness, connect to and utilize a site-specific installed fall protection system.

Course Topics:

At the completion of this course the participants will be acquainted with the following information and material:

- The need for fall protection.
- Traditional Fall Protection (e.g. handrails, guardrails, etc.).
- Fall Restraint systems.

- Fall Arrest systems (incl. anchors, body support, connecting components and the importance of a rescue plan).

Audience

- Construction Managers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists

Focus of training will be the systems that students utilize on site.

The Client is to provide harnesses/lanyards for demonstration during class.



Certified OSHA Fall Protection Specialist (CFPS)

Course Length: 4 Days

Course Fees: \$995.00

Course Credential: CFPS

Program Objective:

In the construction industry in the U.S., falls are the leading cause of worker fatalities. Each year, on average, between 150 and 200 workers are killed and more than 100,000 are injured because of falls at construction sites. OSHA recognizes that accidents involving falls are generally complex events frequently involving a variety of factors. Consequently, the standard for fall protection deals with both the human and equipment-related issues in protecting workers from fall hazards. For example, employers and employees need to do the following:

- Where protection is required, select fall protection systems appropriate for given situations.
- Use proper construction and installation of safety systems.
- Supervise employees properly.
- Use safe work procedures.
- Train workers in the proper selection, use, and maintenance of all protection systems.

This course covers the OSHA Fall Protection Standard for construction and General Industry operations and an overview of fall protection methods. Course topics include principles of fall protection, components and limitations of fall arrest systems, and OSHA Standards and policies regarding fall protection.

Students will participate in workshops demonstrating the inspection and use of fall protection equipment, residential construction fall protection, training requirements, and developing a fall protection program. Upon course completion students will have the ability to assess compliance with the OSHA Fall Protection Standard, evaluate installed passive systems and fall arrest systems, and develop and implement fall protection plans.

Prerequisites: None

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

- Understand OSHA regulations concerning fall protection
- Identify various types of fall protection equipment and their components
- Recognize fall hazards and identify abatement methods for fall hazards

- Define the proper use of fall protection equipment and personal fall arrest systems according to ANSI Z359.1 standards
- Develop an effective fall protection program.

COURSE TOPICS:

- OSHA 29 CFR 1910 & CDR 1926 Standards
- 29 CFR 1926 Subpart M
- Sample Fall Protection plans
- Consensus standards and summaries
- Fall hazard analysis
- Fall accidents and fatalities
- Litigation decisions
- Pre and post test

Audience

- Construction Managers
- Safety, Health & Environmental Professionals
- Building Contractors
- Site Safety Supervisors & Committee Members
- Government Safety, Health & Environmental Inspectors
- Building Inspectors
- Training Managers

Focus of training will be the systems that students utilize on site.



Certified Fall Protection and Elevated (Telecommunication Tower) Structures Safety Manager (CFPSM)

Course Credential: CFPSM

Course Duration: 4 Day's

Course Fees: \$895.00

Our Certified Fall Protection and Elevated (Telecommunication Tower, Wind Generation Structures) Structures Safety Manager Fall Protection, Manager Certification covers:

- OSHA Subpart M
- OSHA 1926.268
- Personal Fall Arrest Systems ANZI Z359 Standards
- Specific Safety Measures
- Tower Climbing
- How to design an effective rescue program
- And much more!

Course Introduction:

In accordance with 29 CFR 1910, 29 CFR 1926, it is required that all telecommunications employees and contractors who perform tower or elevated work must be determined to be medically qualified to perform those jobs, must be trained and certified as "Qualified" to perform those jobs, have the appropriate equipment to do the job, work on structures that are safe and perform those jobs in accordance with Code of Federal Regulations.

Tower climbers shall only climb towers certified by the manufacturer to meet the Telecommunications Industry Association/Electronic Industries Association (TIA/EIA) 222 for tower construction and 29 CFR 1910.66 Appendix C for anchorages. Towers that do not meet these standards will be red tagged as "Do Not Climb!" until they are retrofitted or replaced with towers that meet these standards. Service can be accomplished by other methods (i.e. aerial devices, etc.).

Course Objectives:

This training course covers in depth, the needs of fall protection in the industrial environment. This course covers the specific equipment, harnesses, fall protection lanyards, secondary fall protection lines, anchoring challenges, edge protection, job briefings, ascending needs, logging and documentation of all equipment and training. This course follows, meets and exceeds OSHA CFR 1910.268 - ANSI Z359 & Z490

Learning Outcome:

Upon successful completion of this course, the student will be able to identify fall hazards in the workplace, identify methods to reduce fall hazards, develop an effective fall protection & rescue plan.

Audience

- Tower Climbers
- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists
- Rescue Personnel
- Individuals associated with federal agency collateral duty safety and health personnel



Certified OSHA Fall Protection Specialist (CFPS)

Course Length: 4 Days

Course Fees: \$795.00

Course Credential: CFPS

Program Objective:

This course covers the OSHA Fall Protection Standard for construction and an overview of fall protection methods. Course topics include principles of fall protection, components and limitations of fall arrest systems, OSHA Subpart M Standards and EM385-1 policies regarding fall protection.

Students will participate in workshops demonstrating the inspection and use of fall protection equipment, residential construction fall protection, training requirements, and developing a fall protection program. Upon course completion students will have the ability to assess compliance with the OSHA Fall Protection Standard, evaluate installed passive systems and fall arrest systems, and develop and implement fall protection plans.

Prerequisites: None

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

- Identify various types of fall protection and their components
- Recognize fall hazards and identify abatement methods for fall hazards
- Define the proper use of fall protection equipment and personal fall arrest systems

- Select proper standards for citation purposes.

COURSE TOPICS:

- OSHA 29 CFR 1910 & CDR 1926 Standards
- 29 CFR 1926 Subpart M & applicable EM 385-1 Standards
- Sample Fall Protection plans Consensus standards and summaries
- The nature of fall hazards in the work area
- The correct procedures for erecting, using, dismantling, maintaining, and storing fall protection equipment;
- The application limits, free fall distance, total fall distance and clearance requirements of fall protection systems and equipment;
- Rescue equipment and procedures;
- Hands-on training and practical demonstrations;
- Fall accidents and fatalities
- Litigation decisions
- Pre and post test

Focus of training will be the systems that students utilize on site.



Certified Fire Protection / Prevention Specialist (CFPS)

Course Credential: CFPS

Course Duration: 4 Days

Course Fees: \$895.00

Course Objectives:

Fire protection specialists are specifically trained in the science of fire prevention. The requirements for a fire prevention specialist are ever expanding and more complicated than ever before. In today's world the fire prevention specialist needs to be thoroughly familiar with the fundamentals of firefighting, hazardous materials, fire protection systems, fire inspection principles, OSHA Subpart E, Subpart L and national standards (i.e., National Fire Protection Association and International Family Code).

Learning Outcome:

Upon successful completion of this course, the student will be able to understand and explain OSHA Subpart E "Emergency action plan elements." and OSHA Subpart L Fire Protection regulations.

Our Fire Protection/Prevention, Exit Routes, and Emergency Plans certification covers:

- OSHA 29 CFR General Industry Standards
- How to develop an effective emergency action plan
- How to develop an effective fire prevention plan,
- Portable fire extinguishers and extinguishing systems
- Establishment of fire brigades
- Medical Services and First Aid
- And much more!



Certified Traffic Control / Flagger Specialist

Course Credential: CTFS

Course Fees: \$595.00 (16 hours)

Course Length: 16 Hours Supervisor, 8 Hours Employee, 4 Hours Refresher.

Course Objectives: Flagger

Controlling traffic through work areas is one of the most important -- and dangerous -- operations in construction maintenance. The IASHEP Flagger Training Course is a comprehensive skill-building session that meets federal industry guidelines: the Manual on Uniform Traffic Control Devices (MUTCD) guidelines and the ANSI standard ISEA-107-1999. The Office of Highway Safety, the Federal Highway Administration, and several state Departments of Transportation have reviewed this program.

Training goal

The primary objectives of the program are to train flaggers to provide safe passage of traffic through and around work areas and to minimize confusion by bringing standard flagging procedures to our nation's highways. To get your crew members trained and certified in safe flagging techniques in just four hours.

Who should attend?

This course is a must for novice construction work zone flaggers in both one- and two-person flagging operations. Experienced flaggers can attend this course as a refresher. All attendees receive a certificate of course completion.

What you'll learn:

- Thorough understanding of flagging procedures and proper use of required equipment.
- Improved flagging skills from hands-on training, classroom activities and a flagging skills test.
- Increased ability to coordinate traffic movement through the work zone.

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Flaggers
- Training Managers

On-site training

A local IASHEP training partner can arrange to teach this course on-site at the location of your choice. Learn the same essentials of proper work zone flagger training at a site convenient to your crew!



Flame Resistant Clothing Specialist Program (FRCS)

Professional Credential: FRCS

Course Length: 1 ½ Days

Course Fees: \$495.00

Course Introduction:

According to OSHA “Flame-Resistant (FR) Clothing is required under 29 CR 1910.132 and is also mentioned in other sections of the OSHA standards. Flame Resistant clothing is used in the petroleum industry, electrical industry and other types of industries where there is a danger of a worker being injured by various types of hazards. These hazardous areas include electric, petroleum, and dust.

A flash fire is a fire that spreads rapidly through a diffuse fuel, such as dust, gas, or the vapors of an ignitable liquid, without the production of damaging pressure. The intensity of a flash fire depends on the size of the gas or vapor cloud. Hydrocarbon (oil and gas) flash fires generate temperatures of 1,000 to 1,900 degrees Fahrenheit. See NFPA 2112, National Fire Protection Association Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire, 2007 Edition.

The duration of a flash fire can last up to five seconds. NFPA 2112 and NFPA 2113 (Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire, 2007 Edition) apply to general industry workplaces, including drilling, well servicing, and production-related operations. Inherent flash fire hazards are associated with oil and gas well drilling, servicing, and production-related operations. Additionally, the industry has a history of burn-related injuries and fatalities due to flash fire hazards when engineering and administrative controls have failed. Therefore, OSHA has concluded that employers are required to provide and ensure the use of FRC during certain operations as discussed below.

In the electrical field, electric arcs pose some of the most serious safety hazards for electric power industry workers. Arc blast or flash hazards include high temperatures (hotter than the surface temperature of the sun) over short periods of time (fractions of a second), hot gases, an intense pressure wave from the explosion (like having a hand grenade explode inches away), and shrapnel from vaporized and molten metal particles. Arc-related injuries can range from minor to severe burns, blindness, hearing and memory loss from the pressure wave, broken bones, or death. When a worker is exposed to an arc, the clothing they wear may play a large role in the severity of the potential injury”. FR clothing is essentially worn as insurance. In the unlikely event of a flash fire or electric arc flash or other catastrophe, FR work clothing reduces burn injury, provides escape time, and increases chances of survival. Even though a person caught in a flash fire or electric arc will likely have some injuries, FR clothing can dramatically reduce their severity. This can mean the difference between life and death.

Course Description

Attendees will understand the dynamics and dangers of an electrical arc flash, hydro-carbon flash fires and the potential injury and cost of those injuries. The course will cover many of the latest topics and information on the performance of proven Flame-Resistant garments available today. This presentation is designed to inform the attendees on the options available in Flame-Resistant market today for Arc Flash and Flash Fire protection. Attendees will be able to differentiate between Arc Flash and Flash Fire markets and “how to sell” into each.

Course Topics:

- Attendees who successfully complete this course will be able to:
- Understand the dynamics and dangers of an Arc Flash and Flash Fire events
- Recognize the costs associated with burn injury
- Understand latest Flame-Resistant fabrics technology
- Understand the technical terms surrounding Flame-Resistant Clothing
- Recognize the difference between Flame-Resistant clothing and everyday work wear
- Understand the different FR Clothing markets
- Understand “how to sell” into core markets
- Review NFPA 70E, NFPA 2112 and 2113 FR Clothing criteria and be familiar with terminology



Certified Forklift Operator Certification (CFOL)

Course Credential: CFOL

Course Fees: \$695.00

Course Length: 2 Days

Our Certified Forklift Operator certification covers:

- Powered (counter balanced) Industrial Trucks,
- Safe Operation according to OSHA 29 CFR 1910.178 standards
- Operation Certification/License

Course Objectives:

Powered industrial trucks, commonly called forklifts or lift trucks, are used in many industries, primarily to move materials. They can also be used to raise, lower, or remove large objects or several smaller objects on pallets or in boxes, crates, or other containers. Powered industrial trucks can either be ridden by the operator or controlled by a walking operator.

Learning Outcome & Topics:

This course will focus on the safe operation of a sit-down, counterbalanced forklift. The Forklift Operator certification course is based on OSHA standards and covers construction of the lift, inspection criteria, operational characteristics, load handling, center of gravity and the stability of the lift, fueling the forklift, general safety rules and driver evaluations.

Course Prerequisites: This course has no prerequisites.

Note: It is a violation of Federal law for anyone UNDER 18 years of age to operate a forklift or for anyone OVER 18 years of age who is not properly trained and certified to do so.



Certified Forklift Operator Train the Trainer Certification (CFOTT)

Course Credential: CFOTT

Course Fees: \$1295.00

Course Length: 4 Days

Course Description: The goal of the Train-The-Trainer (TTT) Program is to train and authorize selected individuals to implement and conduct your in-house Forklift and Material Handling Program. The trainer must develop 30-to-60-minute presentation and teach a portion of the class.

At the completion of this training course the participant will be acquainted with the following information:

- All Components of the Forklift Operator Safety Training Program
- Communication Skills
- Class Management
- Course Administration
- Practical and Written Examinations
- Performance Testing
- Student Manual Includes:
- Training Techniques
- Principles of Forklift Safety
- * State-Specific Regulations
- * Fed/OSHA Regulations
- * Power Point Presentation
- * Inspection Forms
- * Performance Testing/Evaluation Form
- * English/Spanish Written Test

Certified Forklift Train the Trainer Course (CFFOT) (Refresher)

Course Credential: Certification: CFFOT

Course Length: 3 Days

Course Fees: \$795.00

Course Objectives:

Each year, tens of thousands of forklift-related injuries occur in U.S. workplaces. Many employees are injured when lift trucks are inadvertently driven off loading docks or lifts fall between docks and an unsecured trailer. Employees are also struck by a lift truck or fall while on elevated pallets and tines. Most incidents also involve property damage, including damage to overhead sprinklers, racking, pipes, walls, and machinery. Unfortunately, most employee injuries and property damage can be attributed to lack of safe operating procedures, lack of safety-rule enforcement, and insufficient or inadequate training.

The IASHEP Forklift “Train-the-Trainer” Refresher Course is a comprehensive two-day course in which participants will learn how to legally establish an “in-house” forklift training program. The course focuses on the new OSHA training regulations, how they affect your company and how to comply with the new standards. This refresher course is required to be attended every three years to maintain your credential

At the end of our course, your trainer or your employee will have the tools and knowledge to return to work and establish an “in-house” training program that is specific to your company’s operation and equipment types, while meeting OSHA requirements.*Participants must be knowledgeable and experienced with the equipment they will be training operators on and must develop and present a 1 hour training topic. .

Learning Topics: Our Forklift Operator certification trainers program covers:

- OSHA Powered Industrial Trucks 29 CFR 1910.178
- American National Standards B56.1
- Safe Operation
- Operation Certification/License
- Overview of OSHA 29 CFR 1910.178 regulations for industrial trucks

- Tools to organize a training session and prepare the training Facility
- Systematic training techniques
- Essentials of effective training techniques
- Proper presentation techniques
- How to develop instructional aids
- How to set up a course layout and driver exercise
- How to develop an in-house program and develop safety rules.

Note: IASHEP Instructors have many years of experience operating and teaching industrial truck operation. What does OSHA mean by the word "experience" in 29 CFR 1910.178(l)(2)(iii)? Specifically, does it mean that the trainers must be certified to train drivers to operate PITs, or does it mean that the trainers must operate PITs on a regular basis as part of their job function and responsibility?

A trainer must have the "knowledge, training, and experience" to train others how to safely operate the powered industrial truck in the employer's workplace. In general, the trainer will only have sufficient "experience" if he has the practical skills and judgment to be able to himself operate the equipment safely under the conditions prevailing in the employer's workplace. For example, if the employer uses certain truck attachments and the trainer has never operated a truck with those attachments, the trainer will not have the experience necessary to train and evaluate others adequately on the safe use of those attachments. However, the standard does not require that the trainers operate a PIT regularly (i.e., outside of their operator training duties) as part of their job function or responsibility.



Certified Freshwater Oil Spill Control - Tactical and Operations Level (CFOSC)

Course Length: 5 Days

Course Fees: \$1195.00

Course Description

This 40-hour core course addresses responses to oil spills in rivers, small streams, on land, and sub-surface. It is designed for people in industry, the regulatory community, and the emergency response disciplines who may be required to respond to an oil-spill incident.

This course utilizes classroom discussion, multimedia presentations, and practical hands-on exercises to provide you with the essential information and training needed to effectively manage a spill-response operation. You will assume leadership roles and direct simulated response operations under the supervision of the instructors.

Prerequisite

There are no prerequisites for this class

Topics

- Boom and skimmer design
- Boom deployment and operations
- Containing and recovering oil on surface water
- Contingency planning and response team training
- Movement, containment and clean-up of oil
- Oil sampling and documentation techniques
- Oil-spill contractors and cooperatives
- Oil-spill simulation exercises
- Shoreline protection, clean-up and restoration
- Skimmer operations
- Sorbents and chemical agents
- Oil recovery from soil and oily debris disposal

Audience

- First responders
- Industrial and refinery personnel
- Government employees

- Any other individuals who may be tasked with responding to oil spill incidents.

Recommendation

Due to the strenuous nature of class activities, you should secure a professional evaluation of your physical condition prior to enrolling in this course.

Education Credits

4.00 CEU



Certified Safe Use of Glutaraldehyde in Health Care Technician

Course Credential: CSHHCT

Course Fees: \$295.00

Course Duration: 2 Days

Course Objectives:

This course describes best practices for the safe use of glutaraldehyde in health care facilities. Glutaraldehyde is used widely as a cold sterilant to disinfect a variety of heat-sensitive instruments, such as endoscopes, bronchoscopes, and dialysis equipment (NIOSH, 2001).

In addition, health care employees may be exposed to glutaraldehyde in its uses as a hardener in x-ray developing and as a tissue fixative in histology and pathology labs. Glutaraldehyde's properties as a chemical sterilant were initially recognized in the early 1960s as the health care industry searched for a safer alternative to formaldehyde, which is regulated by OSHA as a carcinogen (29 CFR 1910.1048). In the years since its introduction as a disinfectant/sterilant, glutaraldehyde has been linked with a variety of health effects – ranging from mild to severe – including asthma, breathing difficulties, respiratory irritation, and skin rashes (Pryor, 1984; Crandall, 1987).

The purpose of this course is to provide information that can be used by health care employers and employees to understand and control exposures to glutaraldehyde. Alternatives to glutaraldehyde are also addressed.

Topics covered:

- Engineering controls, work practices, and facility design considerations that will help reduce employee exposure to glutaraldehyde.
- This course includes recommendations for personal protective equipment, employee training, exposure monitoring, disposal practices, and spill and cleanup procedures.



Certified Safety & Health Hazard Analysis Specialist Course (CSHAS)

Course Duration: 3 Days

Certification: Certified Hazard Analysis Specialist (CSHAS)

Course Fees: \$695.00

Course Description: Our Certified Hazard Analysis Specialist certification covers:

- Job Hazard Analysis
- Change Analysis
- Process Hazard Analysis
- Phase Hazard Analysis
- The Hierarchy of Hazard Controls
- And much more!

Course Introduction:

Hazards exist in every kind of workplace, no matter the type of work you're doing. Pinch points, back strain, slips, trips, falls, and the risks of working with hazardous chemicals are only a few of the dangers you run into in industrial environments. These potential threats to health and safety require caution and common sense to overcome dangers and protect yourself and others. When it comes to safety, the most effective strategy is always awareness and preparedness.

The JSA process ensures that you are aware of threats in advance and can take preventative measures, avoiding accidents altogether.

This course is broken into three sections:

- What you need to know to properly conduct a JSA
- The JSA safety & health process
- Developing & writing a proper JSA

Course Objectives:

JSA is a proven process for controlling operating hazards and costs by dissecting processes within your operation and determining the best method to eliminate or subdue the hazards inherent with these processes. The term JSA is often used

interchangeably with Job Hazard Analysis (JHA). This course will teach you the fundamentals of writing an effective Job Safety / Health Analysis.

Learning Outcome:

Upon successful completion of this course, the student will be able to analyze each step of a job for unsafe conditions and unsafe practices, determine whether the hazards can be eliminated or the job could be performed differently to reduce exposure to the hazards.

Topics Covered:

- Recognize and use important safety and health terminology.
- Understand JSA's relation to continuous improvement in your organization.
- Identify and communicate the safety and financial benefits of using JSA.
- Gain support for and participation in the process from line employees, supervisors, and upper management.
- Identify the key requirements for a successful JSA.
- Recognize the hazards inherent in task performance.
- Develop appropriate solutions and hazard controls.
- Complete a JSA form correctly.
- Use JSA to develop efficient procedures that reduce personal injuries and operating costs

Audience

- General industry & Construction Managers
- Site Safety & Health Committees
- Safety and Health Professionals
- Supervisors, Forman, Leads
- Training Managers
- Industrial Hygienists



Certified Global Harmonization Train the Trainer Course (CGHT)

Course Credential: CGHT

Course Length: 3 Days

Course Fees: \$695.00

Prerequisite: None.

Program Objective:

New changes to the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard are bringing the United States into alignment with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), further improving safety and health protections for America's workers.

Building on the success of OSHA's current Hazard Communication Standard, the GHS is expected to prevent injuries and illnesses, save lives and improve trade conditions for chemical manufacturers. The Hazard Communication Standard in 1983 gave the workers the 'right to know,' but the new Globally Harmonized System gives workers the 'right to understand.'

OSHA is requiring that employees are trained on the new label elements (i.e., pictograms, hazard statements, precautionary statements, and signal words) and SDS format by December 1, 2013, while full compliance with the final rule will begin in 2015

The goal of this 8-hour Instructor Training Program is to train and authorize selected employees to implement and conduct your in-house Hazard Communication/Globally Harmonized System Safety Program. This program will provide information about the identification of chemical hazards, chemical labeling, and explanation of the new Safety Data Sheet (SDS) format.

Note: To become a trainer the student must develop and teach a 20-minute segment of this program

Topics Covered:

- How to develop an effective presentation
- Proper teaching techniques
- Learn the difference between the old OSHA Hazard Communication program and the new Global Harmonization Program
- Substances Exempt by Standard (Consumer Products)

- Primary and Secondary Container Labels OSHA's New Hazard Classification System
- Review of New Safety Data Sheets (SDS)
- New GHS Label Elements
- GHS Pictograms and Hazard Identification
- Physical and Environmental Hazard Classification
- NFPA Labeling and Number System
- Reading SDS
- Exposure Prevention (protective measures)
- Acute and Chronic Health Hazards
- Physical Hazards
- First Aid (eyes, skin, respiratory)
- And More



Hazard Communication / Global Harmonization Specialist (HCGHS)

Course Credential: HCGHS

Course Length: 1 Day

Course Cost: \$295.00

Prerequisite: None.

Program Objective:

New changes to the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard are bringing the United States into alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), further improving safety and health protections for America's workers. Building on the success of OSHA's current Hazard Communication Standard, the GHS is expected to prevent injuries and illnesses, save lives and improve trade conditions for chemical manufacturers. The Hazard Communication Standard in 1983 gave the workers the 'right to know,' but the new Globally Harmonized System gives workers the 'right to understand.'

OSHA is requiring that employees are trained on the new label elements (i.e., pictograms, hazard statements, precautionary statements, and signal words) and SDS format by December 1, 2013, while full compliance with the final rule will begin in 2015

The goal of this 4 hour will provide information about the identification of chemical hazards, chemical labelling, and explanation of the new Safety Data Sheet (SDS) format.

Topics Covered:

- Learn the difference between the old OSHA Hazard Communication program and the new Global Harmonization Program
- Substances Exempt by Standard (Consumer Products)
- Primary and Secondary Container Labels OSHA's New Hazard Classification System
- Review of New Safety Data Sheets (SDS)

- New GHS Label Elements
- GHS Pictograms and Hazard Identification
- Physical and Environmental Hazard Classification
- NFPA Labelling and Number System
- Reading SDS
- Exposure Prevention (protective measures)
- Acute and Chronic Health Hazards
- Physical Hazards
- First Aid (eyes, skin, respiratory)
- And more

Audience

- General Industry and Construction Managers & Workers
- Safety Health and Environmental Professionals
- Supervisors, Foremen & Leads
- Site Safety & Health Committees
- Training Managers
- Industrial Hygienists



Certified HAZWOPER First Responder Awareness Training

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course Fees: \$295.00

Prerequisite: None.

Program Objective:

In compliance with the Occupational Safety and Health Administration (OSHA) regulation, this 8-hour first responder operations level training is to certify individuals who will be involved with Hazardous Waste Operations and Emergency Response (HAZWOPER). HAZWOPER first responders at the operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release.

They are trained to respond in a defensive fashion without trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures. First responders at the operational level shall have received at least eight hours of training. Specifically, here are the regulatory citations from 29 Code of Federal Regulations (CFR) 1910.120 section q. and

1910.120(q)(6)(ii)(A) Knowledge of the basic hazard and risk assessment techniques.

1910.120(q)(6)(ii)(B) Know how to select and use proper personal protective equipment provided to the first responder operational level.

1910.120(q)(6)(ii)(D) Know how to perform basic control, containment and/or confinement operations within the capabilities of the resources and personal protective equipment available with their unit.

1910.120(q)(6)(ii)(E) Know how to implement basic decontamination procedures.

1910.120(q)(6)(ii)(F) An understanding of the relevant standard operating procedures and termination procedures.

Certified HAZWOPER 40 Hour Training Specialist (CHTS)

Course Credential: Hazwoper Training Specialist (CHTS)

Course Duration: 5 Days

Course Fees: \$1195.00

Our HAZWOPER Training Specialist (CHTS) Course Covers:

- OSHA Hazwoper Standards
- Chemistry and toxicology review
- Identifying the hazards of HAZMATS
- Hazardous Waste Operations and Emergency response
- Emergency incident command procedures
- Practical exercises for the student

Certification: HAZWOPER Training Specialist (CHTS)

Learning Outcome:

This course is specifically designed to prepare workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous waste sites.

Topics include:

- 29 CFR 1910.120 (e)(3) through (e)(9)(q)(6) through (q)(8)Appendix E (3)
- OSHA HAZWOPER requirements for emergency responders.
- Chemical and biological hazard classification.
- Classroom and hand-on experience in
- Personal protective equipment selection at a response scene.
- Techniques for monitoring for hazardous substances.
- Containment and control response options.

- Equipment, site, and personnel decontamination.
- Sizing up a response scene
- Site control
- Selecting and implementing safe and appropriate response actions.
- Response termination.
- Response review.

Audience

- General Industry and Construction Managers & Workers
- Safety, Health and Environmental Professionals
- Supervisors, Foremen and Leads
- HAZ-MAT Technicians
- Training Managers
- Hazardous Materials Specialist / Workers



Certified HAZWOPER Training Specialist (Train the Trainer)

Course Credential: CHTS-Trainer

Course Duration: 5 Days

Course Fees: \$1295.00

Our HAZWOPER Training Specialist (CHTS) Course Covers:

- OSHA Hazwoper Standards
- Chemistry and toxicology review
- Identifying the hazards of HAZMATS
- HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE
- Emergency incident command procedures
- Practical exercises for the student

Certification: HAZWOPER Training Specialist (CHTS)

Learning Outcome:

This course is specifically designed to prepare workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous waste sites.

Topics include:

- 29 CFR 1910.120 (e)(3) through (e)(9)(q)(6) through (q)(8)Appendix E (3)
- OSHA HAZWOPER requirements for emergency responders.
- Chemical and biological hazard classification.
- Classroom and hand-on experience in
- Personal protective equipment selection at a response scene.
- Techniques for monitoring for hazardous substances.
- Containment and control response options.

- Equipment, site, and personnel decontamination.
- Sizing up a response scene
- Site control
- Selecting and implementing safe and appropriate response actions.
- Response termination.
- Response review.

Prerequisite: Potential Trainers must have 40 hours of initial training

Disclaimer Note: OSHA does not approve, certify, or endorse individual trainers or training programs. The standard identifies qualified trainers as those who have satisfactorily completed an instructional program (train-the-trainer) or who otherwise have the academic credentials and instructional experience necessary to teach a HAZWOPER training program.

In other words, a trainer must be able to demonstrate proficiency and understanding of the material to be transmitted to trainees and have some credentials or experience in training adults. Trainers must also continue to attend training to maintain their knowledge and skills. It is ultimately the responsibility of the employer whose workers are to be trained, to determine if the trainer meets the requirements and qualifications under HAZWOPER.

This course meets the standard requirement of 40 hours of initial training. The required 8 hours of hands-on training can be completed by a qualified instructor. The three days field experience under a trained, experienced supervisor is the responsibility of the student's employer or potential employer.



Certified HAZWOPER Training Specialist 24 Hour Course (CHTS - 24 hours)

Course Credential: (CHTS – 24 Hours)

Course Duration: 3 Days (24 Hours)

Course Fees: \$795.00

Our HAZWOPER Training Specialist (CHTS) Course Covers:

- OSHA Hazwoper Standards
- Chemistry and toxicology review
- Identifying the hazards of HAZMATS
- HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE
- Emergency incident command procedures
- Practical exercises for the student

Certification: HAZWOPER Training Specialist (CHTS)

Course Introduction:

OSHA HAZWOPER requirements (29 CFR 1910.120 / 1926.59 paragraphs (b)-(o)) for cleanup operations apply to all employees who work at the site of an ordered cleanup or who are contracted to cleanup a release after a HAZWOPER emergency response has occurred concerning an OSHA hazardous substance. An OSHA hazardous substance to include DOT hazardous materials, CERCLA hazardous substances, RCRA hazardous wastes, disease-causing agents, and includes petroleum products with a flashpoint of 200 F or less.

If it is expected that an employee will *not* be exposed above the OSHA PEL or published exposure limits, the training standard (29 CFR 1910.120(e)) allows a reduced initial training requirement (24 hours instead of the usual 40).

Our IASHEP OSHA 24-Hour HAZWOPER Training is designed for hazardous waste and emergency response workers who must satisfy their 24-hour HAZWOPER training requirement. The standards under 29 CFR Part 1910.120 (e) require employees to complete appropriate HAZWOPER training prior to entering or beginning work on an uncontrolled hazardous waste operation.

Examples of workers who qualify for this training are:

- New Employees , Hazardous Materials Technicians, Hazardous Materials
- Specialists, On-Scene Incident Commanders,
- Management and Supervisors, or anyone needing to fulfill an OSHA 24-hour HAZWOPER requirement

At the completion of this course, you will be able to:

- Recognize and recall OSHA regulations and requirements.
- Demonstrate an understanding of Site Characterization.
- Identify the principles of toxicology and how they relate to various types of chemical exposures.
- Describe potentially hazardous situations involving corrosives, solvents, oxidizers, and reactive chemicals.
- Select the correct Personal Protective Equipment (PPE.)
- Recognize and indicate the characteristics of a work zone.
- List the elements of site security.
- Recognize the principles of decontamination methods as well as levels of decontamination.
- Define a Medical Surveillance Program and its purpose.



Certified Hospital & Custodial, Janitors & Housekeeper Safety Specialist Course (CHCSS)

Course credential: CHCSS

Course Length: 5 Days

Course Fees: \$1295.00

Course Introduction:

The Hospital and Healthcare Custodial profession today not only commands respect but also requires a high degree of knowledge and skill. There are several reasons for the new “image”, but probably the most important is the fact that the Hospital Custodian, Janitor and Housekeepers have become vastly more important to the efficiency of an organization and a healthy environment.

Custodial, Janitors and Housekeepers often work with hazardous chemical cleaners and work around a host of bacteria and pathogens that aren't found in the average home. It's important to know how to effectively combat germs while keeping yourself safe in the cleaning process.

Custodial, Janitor, and Housekeeper training holds many benefits for employers and workers by minimizing accidents and improving safety. Training ensures that a janitor knows the proper way to clean bathrooms, hospitals and other germ-infested areas. It also gives janitors an introduction to the Occupational Health and Safety and Health Administration (OSHA) requirements and teaches them how to properly handle chemicals.

Course Description:

The objective of this course is to engage students in active discovery of hospital safety & risk management principles. Students will learn all aspects of safety and health regulations and procedures in the hospital and the healthcare industry as it relates to housekeeping and janitorial services.

Student Learning Outcomes

Students who successfully complete this course will be able to:

- Understand OSHA and CAL-OSHA regulations
- Prevent Injuries in Hospital and health care industry operations.
- Understand requirements for janitors and housekeepers in a hospital and health care industry.

- Prevent Injuries in hospital and healthcare environments.
- Understand Requirements for Risk Management Operations

Audience

- General Industry and Custodial Workers (All Industries)
- Hospital Custodial Management and Workers
- Building Contractors & Managers
- Safety, Health & Environmental Professionals
- Training Managers
- Industrial Hygienists



Certified Hydrogen Sulfide (H₂S) Safety Technician

Course Credential: CHST- (H₂S)

Course Length: 1 ½ Days

Course Fees: \$295.00

Course Description:

It is essential that oil & gas workers be trained to understand and recognize the hazards associated with Hydrogen Sulfide (H₂S) gas. Hydrogen Sulfide, more commonly known as sour gas, is a flammable, colorless gas that is toxic at extremely low concentrations. It is heavier than air and smells like "rotten eggs". Once exposed, it can quickly cause you to lose your sense of smell. Exposure to Hydrogen Sulfide gas can be fatal.

Student Learning Objectives:

- Become knowledgeable about the OSHA and API regulations applicable to Hydrogen Sulfide Gas
- Will be knowledgeable about the different sources of H₂S gas
- Understands the physical and chemical properties of H₂S gas and the health effects it can have on the body
- Understands the use of Personal Protective Equipment (PPE) for Hydrogen Sulfide exposure controls knowledgeable on how to respond in the event of a Hydrogen Sulfide Exposure H₂S Gas exposure.

Topics Include:

- Physical and chemical properties of H₂S
- Safe work procedures for hydrogen sulfide
- Federal and state regulations and consensus standards
- ANSI/ASSE Z390.1
- Contingency and emergency response plans
- Dispersion models
- Burning and flaring attributes and hazards
- Methods of detection and monitoring
- Human physiology and respiratory protection

- Training techniques

Audience

- Safety Industry Professionals,
- Technicians and Coordinators
- Industry Training Professionals
- Environmental Industry Professionals



Certified Hydrogen Sulfide (H₂S) Safety Specialist (CH2S)

Course Credential: CH2S

Course Length: 3/12 Days

Course Fees: \$595.00

Course Introduction:

Hydrogen Sulfide (H₂S) is known as an insidious killer and goes by several unsavory names: sour gas, meadow gas, stink damp, Devil's Breath, and sulfureated hydrogen. It is a colorless gas that can be found around decaying organic material and, in some oil and gas operations. It smells like rotten eggs at extremely low concentrations, but it quickly, though temporarily, kills the sense of smell at higher concentrations. (This property gives a false sense of security to the unsuspecting.) H₂S is a highly hazardous gas that rapidly renders its unfortunate victim unconscious, paralyzes the respiratory system, and then causes death in a matter of just a few minutes.

However, you can work safely in H₂S environments if you are adequately trained, utilize appropriate engineering precautions, and are equipped with proper personal protective equipment.

Course Description

H₂S or Hydrogen Sulfide is a hazardous and toxic chemical. H₂S provides little to no warning of its presence, and is deadly at extremely low concentrations. Being exposed to Hydrogen Sulfide is only one portion of the danger H₂S poses, though. H₂S is highly corrosive to materials like steel, and forms the explosive compounds Iron sulfide and Iron pyrite scale, which cause catastrophic failure of the materials, and are explosive when exposed to air.

H₂S is also highly flammable; at just 4.3% H₂S can be ignited at temperatures lower than 600 degrees Fahrenheit, which is less than what the tip of a cigarette burns at. Hydrogen Sulfide poses high risk to everything it comes into contact with, piping, equipment, and people. This is why H₂S Training and H₂S site specific training are so important to all aspects of industrial operations where Hydrogen Sulfide may be present.

Prerequisite: There are no prerequisites for this class

Topics Covered:

- H₂S explained
 - How H₂S is produced
 - Chemical, scientific, and other common names
- Physical characteristics
 - Color
 - Odor
 - Solubility
 - Vapor density
 - Flammability hazards
 - Corrosive
- Exposure hazards
 - H₂S effects on humans
 - Exposure risks
- Permissible exposure limits
 - OSHA standards
 - NIOSH standards
 - Industry practices
- Occurrence of H₂S
 - Industrial areas
 - Natural deposits
- H₂S detection
 - Electric H₂S gas detectors
 - Other H₂S gas detection methods
- Personnel Protective Equipment (PPE)
 - Basic requirements
 - Respiratory protective equipment

- Safe work practices
 - Implementation of the buddy system
- Engineering controls
 - H2S containment
 - Ventilation
 - Removal
- Contingency planning
 - Definition
 - Personnel guidelines
- Emergency response
 - Emergency plan
 - Rescue cases

Audience

- Healthcare Workers
- Healthcare Safety, Health, and Environmental Professionals
- Healthcare Supervisors
- Safety Inspectors
- Training Managers
- Industrial Hygienists



Certified Hydrogen Sulfide (H₂S) Safety Specialist Train the Trainer (CH2ST)

Course Credential: CH2ST

Course Length: 5 Days

Course Fees: \$795.00

Course Introduction:

Hydrogen Sulfide (H₂S) is known as an insidious killer and goes by several unsavory names: sour gas, meadow gas, stink damp, Devil's Breath, and sulfureated hydrogen. It is a colorless gas that can be found around decaying organic material and, in some oil and gas operations. It smells like rotten eggs at extremely low concentrations, but it quickly, though temporarily, kills the sense of smell at higher concentrations. (This property gives a false sense of security to the unsuspecting.) H₂S is a highly hazardous gas that rapidly renders its unfortunate victim unconscious, paralyzes the respiratory system, and then causes death in a matter of just a few minutes.

However, you can work safely in H₂S environments if you are adequately trained, utilize appropriate engineering precautions, and are equipped with proper personal protective equipment.

Course Description

It is essential that employees who work in the oil & gas, petroleum, natural gas industries, utilities, research and development areas, laboratories, transportation, paper/pulp/food processing, chemical manufacturing, tanning industries, waste disposal, and other industries where the hazard of Hydrogen Sulfide Gas can be present.

Student Learning Objectives:

- Become knowledgeable about the OSHA, American National Standards Institute ANSI /ASSE Z390.1-2006 (R2010) and American Petroleum Industry regulations applicable to Hydrogen Sulfide Gas
- Understands the physical and chemical properties of H₂S gas and the health effects it can have on the body
- Understand the use of Personal Protective Equipment (PPE) for Hydrogen Sulfide exposure controls knowledgeable on how to respond in the event of a Hydrogen Sulfide Exposure H₂S Gas exposure.

- Learn the skills, knowledge, and techniques to develop and provide site-specific, technical skill-level Hydrogen Sulfide (H₂S) training programs.

Prerequisite: There are no prerequisites for this class

Topics Covered:

- How to develop an effective presentation
- Proper training techniques
- Physical and chemical properties of H₂S
- Safe work procedures for hydrogen sulfide
- Federal and state regulations and consensus standards
- ANSI/ASSE Z390.1
- Contingency and emergency response plans
- Dispersion models
- Burning and flaring attributes and hazards
- Methods of detection and monitoring
- Human physiology and respiratory protection

Note: Student must develop and teach a 20 minute presentation

Audience

- Healthcare Workers
- Healthcare Safety, Health, and Environmental Professionals
- Healthcare Supervisors
- Safety Inspectors
- Training Managers
- Industrial Hygienists

Health Hazard Awareness

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course fees: \$195.00

Course Description:

Course topics include identification and evaluation of health hazards and their sources of exposure, health hazard information, evaluation of exposure, and engineering and work practice controls. Students participate in workshops on evaluation and abatement of workplace health hazards. Upon course completion students will have the ability to understand common health hazards in the workplace and methods for controlling and abatement of these hazards. This course is designed as an awareness course for employers and employees.

Prerequisite

There are no prerequisites for this class

Topics

- Identification of hazards
- Sources of exposure
- Health hazard information
- Evaluation of exposure
- Engineering and work practice controls

Audience

- Industrial Hygienists
- Safety Supervisors
- Hazardous Waste Managers
- Program Administrators
- Construction Industry Professionals
- Healthcare Facility personnel
- Managers
- VPP Program Managers
- VPP Auditors
- Collateral Duty Safety Personnel
- Line Supervisors

Certified Healthcare Facilities Safety Specialist (CHFSS)

Course Credential: CHFSS

Course Length: 4 Days

Course Fees: \$995.00

Course Description:

This four-day course focuses on some of the hazards and controls found in the hospital setting, and it describes standard requirements as well as recommended safe work practices for employee safety and health. Hospitals and personal care facilities employ approximately 1.6 million workers at 21,000 work sites. There are many occupational health and safety hazards throughout the hospital.

This course breaks down the hazards associated within the many departments and suggests solutions for avoiding, minimizing, controlling or eliminating them whenever possible

Prerequisite: None

Student Learning Outcomes:

At the end of the training, the participants will be able to:

- Describe the most found health hazards in the workplace with specific emphasis on each department within a hospital setting.
- Identify sources of exposure and hazards and suggest possible solutions.
- Discuss exposure evaluation and engineering and work practice controls.
- Develop a working Hospital Safety Manual
- Work toward preparing for a Joint Commission on Accreditation of Healthcare Organizations Evaluation.
- Prepare for an Agency for Healthcare Research and Quality Survey

Course Topics Include:

- Introduction to OSHA
- OSHA Record Keeping Requirements

- Working Safely with Formaldehyde
- Latex Allergies
- Bloodborne Pathogens
- Establishing Workplace Violence Prevention Programs
- Preventing Slips, trip and Falls in a healthcare setting
- Personal Protective Equipment (PPE) requirements
- Introduction to Joint Commission requirements
- Mean of egress
- Introduction to establishing a proper emergency response plan

Audience

- Healthcare Workers
- Healthcare Safety, Health, and Environmental Professionals
- Healthcare Supervisors
- Safety Inspectors
- Training Managers
- Industrial Hygienists



Certified Healthcare Workers Violence Prevention Specialist (CHVPS)

Course Duration: 2 Days

Certification: CHVPS

Course Fees: \$695.00

Course Information:

Healthcare workers are exposed to many safety and health hazards. Data indicate that healthcare workers are at high risk for experiencing violence in the workplace. In 1999, the Bureau of Labor Statistics identified a rate of 8.3 assaults per 10,000 workers in the healthcare industry. This rate is much higher than the rate of non-fatal assaults for all private sector industries, which is two per 10,000 workers. The prevention of workplace violence has emerged as an important safety issue in and around hospitals and other healthcare facilities.

Legal Training Requirements

OSHA has warned health care institutions that it has authority under federal law to require workplace violence training program implementation. Some states have passed laws requiring health care workplaces to develop plans to protect employees from violence. Obstacles to Violence Control Health care management may believe that violent incidents must be accepted as part of the job. Staff who report violence may be subject to management retaliation, due to fears that documenting violence will create negative customer service scores. Health care workplace violence training programs can remove workplace culture obstacles to reporting violent incidents and reduce levels of violence in medical settings.

Course Objectives & Course Topics:

The purpose of this course is to help healthcare workers better understand the scope and nature of violence in the healthcare workplace. Participants will learn how to:

- Recognize the key elements of a comprehensive workplace violence prevention program,
- How organizational systems impact workplace violence,
- How to apply individual strategies and develop skills for preventing and responding to workplace violence. Identify institutional environmental and policy risk factors for workplace violence.

- Recognize behavioral warning signs of violence in individuals.
- Employ communication and teamwork skills to prevent and manage violence.
- Identify appropriate resources to support injured healthcare workers.
- Take steps to implement a comprehensive workplace violence prevention program.

Audience

- Healthcare Workers
- Healthcare Safety, Health, and Environmental Professionals
- Healthcare Supervisors
- Safety Inspectors
- Training Managers
- Industrial Hygienists



HOSPITAL-BASED FIRST RECEIVERS OF VICTIMS OF MASS CASUALTY (HFRMC)

Course Credential: HFRMC

Course Fees: \$995.00

Course Length: 3 Days.

Course Description

This three-day course focuses on protection for hospital based first receivers during releases of chemicals, radiological particles, and biological agents (overt releases) that produce victims who may need decontamination prior to administration of medical care.

Although intended for mass casualty incidents as they affect emergency department personnel at fixed hospitals, the basic principles and concepts of this guidance also apply to mobile casualty care facilities and temporary shelters, such as would be necessary in the event of a catastrophic incident involving tens or hundreds of thousands of victims.

Required Texts:

OSHA Standards for General Industry (29 CFR Part 1910) current edition

Prerequisite: None

Student Learning Outcomes: At the end of the training, the participants will be able to:

- Identify steps to plan for incidents involving hazardous substances.
- Identify sources of exposure and hazards and suggest possible solutions.
- Discuss types of training necessary for each classification of employees responding to mass casualty emergencies.
- Develop a working Emergency Management Plan

Introduction to Safety & Health Management

Course Completion: Course Completion Certificate

Course Length: 3 Days

Course Fees: \$495.00

Course Description

The focus of this three-day course is the effective implementation of a company's safety and health management system. It addresses the four core elements of an effective safety and health system and those central issues that are critical to each element's proper management. This course has been set up as a facilitated, interactive training session.

Prerequisite: None

Student Learning Outcomes:

Participants are given small "chunks" of information and then are able to test their understanding of the subject matter via participant activities and workshops.

Audience

- General Industry and Construction Managers & Workers
- Safety, Health and Environmental Professional
- Site Safety, Health and Environmental Committee members
- Training Managers
 - Industrial Hygienists



Introduction to Environmental Health and Safety (IEHS)

Course Length: 4 Days

Course Fees: \$795.00

Course Certification: IEHS

Course Description

This course is designed for industry professionals new to the environmental field. Participants receiving this training are provided an overview of major U.S. environmental, health and safety laws as well as regulations linked to legislation that may have an impact on compliance measures within a particular facility or workplace.

Prerequisite

There are no prerequisites for this class

Topics

- Health and Safety (OSHA)
- Clean Air Act
- Hazardous waste management (RCRA)
- TSCE, asbestos and PCB requirements
- Groundwater geology and underground storage
- Transportation of hazardous materials
- CERCLA / EPCRA
- SPCC and Emergency responses
- Property transaction audits
- Clear Water Act

Audience

- Environmental technicians

- Environmental consultants
- Industrial hygienists
- Managers and supervisors
- Hazardous waste personnel
- Health and safety Site Committee Members



Certified Industrial Hygiene Specialist (CIHS)

Course Credential: CIHS

Course Length: 4 Days

Course Fees: \$895.00

Course Objectives:

The basic industrial hygiene training course is a four-day introduction to fundamental industrial hygiene principles. It is designed for entry-level industrial hygienists/technicians, safety professionals or others who may have industrial hygiene responsibilities.

Hands-on training is combined with classroom lectures to ensure that students understand how basic air contaminants, noise, ventilation, heat and illumination surveys are planned and measurements conducted. Students will then be able to conduct measurements or better understand how to specify requirements for obtaining contractual industrial hygiene services.

Topics include:

- History of Industrial Hygiene
- Occupational Exposure Limits
- Personal and Area Air Sampling
- Statistical Considerations
- Analytical Methods
- Use of Direct-Read Instruments for Air Sampling
- Noise Exposure Evaluation
- Equipment Calibration
- Local Exhaust Ventilation Testing and Troubleshooting
- Heat Stress Evaluation
- Illumination Evaluation

Certified OSHA Laboratory Safety Specialist Course (COLSS)

Course Credential: COLSS

Course Length: 3 Days

Course Fees: \$795.00

Course Introduction:

More than 500,000 workers are employed in laboratories in the U.S. The laboratory environment can be a hazardous place to work. Laboratory workers are exposed to numerous potential hazards including chemical, biological, physical and radioactive hazards, as well as musculoskeletal stress. Laboratory safety is governed by numerous local, state and federal regulations. Over the years, OSHA has promulgated rules and published guidance to make laboratories increasingly safe for personnel.

There are several primary OSHA standards that apply to laboratories as well as other OSHA standards that apply to various aspects of laboratory activities. The Occupational Exposure to Hazardous Chemicals in Laboratories standard (29 CFR 1910.1450) was created specifically for non-production laboratories.

Course Objectives:

The course has two major objectives:

- To instruct laboratory technicians, clinical laboratory technicians and chemical technicians in OSHA 29 CFR 1910.1450 and regulated and accepted ways of safeguarding themselves, their co-workers, and the environment from unintended effects of the chemicals they work with.
- To instil in laboratory technicians, clinical laboratory technicians and chemical technicians the idea that regulations are meant to help protect them, their co-workers, and the environment to the degree society and governmental agencies have decided appropriate.

Course Topics Include:

- Introduction to OSHA Laboratory Safety standards
- SAFE LABORATORY PROCEDURES
- Glassware
- Chemical Transfers
- Heating Methods

- Cryogens
- **Compressed Gases**
 - Contents
 - Personal Protection
 - Transporting
 - Regulator
 - Cylinder Handling
- Emergency Equipment and Procedures
- Fire Extinguishers
- Eyewash Fountains
- Emergency Showers
- Spill Prevention and Cleanup Kits Emergency Procedures
- And More

Audience

- Laboratory Workers
- Safety, Health and Environmental Professionals
- Site Safety, Health and Environmental Committee Members
- Training Managers
- Industrial Hygienists



Ladder Safety & Inspection Training

Course Credential: Course Completion Certificate

Course Length: 1 Day

Prerequisite: None.

Course Fees: \$295.00

Program Objective

The purpose of this class is to teach the student how to use the proper ladder and how to inspect ladders. This course also gives references to state-specific regulations (if applicable), Fed/OSHA regulations 29 CFR 1926 Subpart X, and ANSI A14.1, A14.2, A14.5 standards. OSHA states 1926.1060(a) "The employer shall provide a training program for each employee using ladders and stairways, as necessary". The program shall enable each employee to recognize hazards related to ladders and stairways and shall train each employee in the procedures to be followed to minimize these hazards.

Program Agenda:

- Inspection Guidelines
- Checklists
- Ladder Safety Procedures
- Definitions
- ANSI Standard Ladder Specifications
- Properties of Wood
- Wood Ladder Inspections
- Wood Ladder Inspection Checklist
- Metal Ladder Inspection Checklist
- Fiberglass Ladder Inspection Checklist
- Storage & Transport of Ladders
- Use of Ladders

- Ladder Reference Guides
- Hazard Warnings & Safety Use Instruction Markings
- Review
- Written Test
- *Client to provide a variety of ladders used in the workplace to use as demonstration during class and inspection.*

Audience

- General Industry and Construction Managers & Workers
- Building Contractors
- Safety, Health and Environmental Professionals
- Site Safety Committees
- Building Inspectors
- Training Managers
- Industrial Hygienists



Certified Laser Safety Course for Healthcare Workers (CLSHW)

Course Credential: CLSHW

Course Length: 3 ½ Days

Course Fees: \$595.00

Program Objective : OSHA Laser Safety Training & Certification, 29 CFR 1910 & 1926 online training

This course presents an overview of safe operating procedures for lasers, which can be used in a variety of industries from general, to construction, to industrial research, to medical setting. Without proper training or safety precautions, workers run the risk of permanent injury from the improper use of lasers.

Governing regulations:

This course satisfies the OSHA General Industry (29 CFR 1910) and Construction Industry (29 CFR 1926) training requirements for Laser Safety, a form of Non-Ionizing Radiation.

ANSI Standards

- **ANSI Z136.3 (2011) Safe Use of Lasers in Health Care** - The ANSI Z136.3 is recognized as the definitive document on laser safety in all health care environments. It provides guidance for the safe use of lasers for diagnostic, cosmetic, preventative and therapeutic applications in any location where bodily structure or function is altered or symptoms are relieved.

ANSI Z136.1 (2007) Safe Use of Lasers - The parent document and cornerstone of the Z136 series of laser safety standards, the revised ANSI Z136.1 (2007) provides guidance for the safe use of lasers and laser systems by defining control measures for each of the four laser classes.

- All ANSI Z136 Standards

Who must take this course?

This Laser Safety Course presents basic laser safety information designed for any worker who must come into contact with laser equipment. It emphasizes hazard identification and safe work practices that apply to all laser operators.

You will learn laser safety practices that can be applied immediately at your medical facility. Here's what you'll learn:

- Study laser physics and tissue interactions
- Review and apply laser safety standards from ANSI Z136.3 Safe Use of Lasers in Health Care
- Learn the effects and characteristics of different laser wavelengths on tissue
- Examine the current treatment modalities with lasers
- Understand the responsibilities of a Laser Safety Officer in a medical facility
- Gain a complete understanding of the laser hazard classification system
- Increase your knowledge of protocols and recommended practices when implementing a laser safety program
- Acquire the expertise to explain operational skills with the different laser delivery devices



Latex Allergy Course For Healthcare Workers

Course Credential: Course Completion Certificate

Course Duration: 4 Hours

Course Fees: \$195.00

Course Introduction: The incidence of latex allergy ballooned during the 1990s. What caused this sudden and dramatic rise in the prevalence of the allergy? There were several factors at play:

- In 1992, the Occupational Safety and Health Administration mandated the Bloodborne Pathogens Standard that required glove use by all healthcare workers, who were directed to take “universal precautions.”
- The existing supply of latex couldn’t keep up with demand.
- Young Hev b trees were stimulated with chemicals so that they would produce more latex; they also produced more allergens.
- Latex was not stored for its customary waiting period before being manufactured, which additionally increased the levels of allergens in the latex. “Higher levels of protein exacerbated the problem of latex allergy among the medical and dental communities by increasing H. brasiliensis allergen exposure”

Learning Objectives: After completing this course participants should be able to:

- List the occupations and populations at risk for latex allergy.
- Identify why latex allergy has grown more prevalent since 1987.
- Describe the three types of reactions associated with latex allergy, along with common symptoms of each.
- Identify methods used to diagnose latex allergy.
- List ten products (medical and household) that contain latex.
- List foods that can cause cross-reactions in people allergic to latex.
- Describe why allergy shots are not approved as a treatment option.

Certified Environmental, Health & Safety Professional (CEHSP)

Course Credential: CEHSP

Course Length: 10 Days

Course Fees: \$5495.00

Our Certified Environmental, Health & Safety Professional (CEHSP)

Certification course will show you:

- How to design, develop and implement an effective environmental, health and safety program in your workplace.
- Explains and demonstrates how to conduct a proper workplace hazards assessment and how to conduct a proper accident investigation
- Explains the potential hazards of chemicals, how to determine the proper PPE for employees and how to respond to workplace emergencies.
- Cover the OSHA top ten violations and explains corrective action for eliminating these hazards in the workplace.
- How to gain a comprehensive understanding of workplace environmental, health and safety laws and regulations and how to work with various government agencies.
- And much more!

Course Objectives:

This course prepares the environmental, health and safety professional to design, develop and manage a total Environmental, Health and Safety (EHS) program.

This program is composed of the following topics:

- Introduction to Regulatory Standards
- Accident Investigation
- How to Develop an Effective Behaviour Base Program
- How to Develop Effective Job Safety & Health Analysis Program
- Introduction To Industrial hygiene
- Introduction to Hazardous Materials
- Machine Guarding & Guarding Standards
- How To Develop a Respiratory Protection Program
- Principles of Ergonomics
- Introduction to Permit Required and Non-Permit Confined Spaces
- Introduction to Excavation, Trenching & Shoring
- Introduction Electrical Standards (High and Low Voltage)

- Introduction To Electrical Standards NEC 70E
- How To Develop and Effective Personal Protective Equipment (eyes, face, body, and other types of personal protective equipment Program.
- Fall Protection and Fall Prevention Systems
- Safety Standards for Ladders, Aerial Lifts and Scaffolds
- Introduction to Cranes (mobile, gantry, truck and overhead), Forklifts and Material Handling Equipment
- Laboratory Safety
- Introduction to Environmental laws and Regulations



Certified Lockout, Tagout & Tryout Safety Training

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course Fees: \$295.00

Prerequisite: None.

Program Objective

Lockout/Tagout (LOTO) training is required for all workers involved in or around machines that are locked and tagged out. Our program meets all the OSHA requirements for Lockout/Tagout Training. The purpose of this class is to familiarize employees with the LOTO processes and to establish safe working practices. LOTO means that any energy source, whether electrical, hydraulic, mechanical, compressed air, or any other source that might cause unexpected movement, must be disengaged or blocked and electrical sources must be de-energized and locked or positively sealed in the OFF position.

Students will become familiar with the following information:

- Written LOTO program to address the assignment of responsibilities and safety procedures
- Terminology
- How to prepare for the lockout process
- How to safely release stored energy
- Proper locking and tagging procedures
- Proper testing and restart of equipment
- Review of OSHA Compliance References - scope and application
- Personal Protective Equipment (PPE) and identification / labeling system

Certified Machine Guarding Specialist (CMGS)

Course Credential: CMGS

Course Duration: 5 Day's

Course Fees: \$1195.00

Our Machine Guarding Specialist certification covers:

- Machine Safeguarding Designs and Techniques
- Explanation of the OSHA, State OSHA and American National Standards Institute (ANSI) Machine Guarding Standards
- How to Properly Conduct a Machine Guarding Program and Inspections

Course Objectives:

Regardless of the source of safeguards, the guards and devices used need to be compatible with a machine's operation and designed to ensure safe operator use. The type of operation, size, and shape of stock, method of feeding, physical layout of the work area, and production requirements all affect the selection of safeguards. Also, safeguards should be designed with the machine operator in mind as a guarding method that interferes with the operation of the machine may cause employees to override them. To ensure effective and safe operator use, guards and devices should suit the operation.

The Performance Criteria for Safeguarding [ANSI B11.19-2003] national consensus standard provides valuable guidance as the standard addresses the design, construction, installation, operation and maintenance of the safeguarding used to protect employees from machine hazards.

Learning Outcome:

This course will help you become familiar with a wide variety of common machinery and the associated hazards of the machinery along with related safety standards and appropriate guarding methods including protection about hazardous energy sources (lockout/tagout). Participants will learn to apply hazard recognition concepts on a site inspection using a process of identifying and evaluating the machinery and machine guarding hazards; researching the related standards; and exploring hazard abatement options.

Learn to:

- Identify common machines and associated hazards found within a broad spectrum of industries.
- Identify hazards that occur around machinery, including, but not limited to, woodworking equipment, metal-working equipment, and mechanical and hydraulic power presses
- Recognize additional hazards common to abrasive wheels, power transmissions, mills, and calendars, as well as portable tool safeguarding
- Select appropriate OSHA and ANSI standards that apply to a particular hazard
- Present options to achieve abatement
- Hazard Identification and standards workshop
- Review of guarding and devices
- Control of hazardous energy sources (lockout/tagout)

Topics covered:

- Hazards and standards workshop
- Review of machinery and machine guarding
- Review of guarding and devices
- Control of hazardous energy sources (lockout/tagout)
- Electrical safety-related work practices

Materials: 29 CFR 1910 General Industry Safety Standards (provided)



Certified Machine Guarding Technician

Course Length: 3 Days

Course Fees: \$395.00

Professional Credential: Certified Machine Guarding Technician (CMGT)

CEU's: Credit: 3.00

Other Credit: CEU 3.2, ABIH 4.34 CM Points, BCSP 3.2 COCs

Program Objective

This course covers the various types of common machinery, machine safeguards, and related OSHA regulations and procedures. Guidance is provided on the hazards associated with various types of machinery and the determination of proper machine safeguards. Course topics include machinery processes, mechanical motions, points of operation, control of hazardous energy sources (lockout/tagout), guarding of portable powered tools, and common OSHA machine guarding violations. Program highlights include the ability to recognize hazards and provide options for control and hazard abatement through machine safeguarding inspection workshops.

Upon course completion students will have the ability to describe common machine hazards and sources of energy, identify resources for assisting with machine guarding issues, and determine methods of control and hazard abatement, and selection of appropriate machine safeguards.

TOPICS COVERED

- Introduction to Machines and Machine Guarding
- OSHA General Requirements
- Woodworking Machinery Requirements
- Abrasive Wheel Machinery Requirements
- Mechanical Power Presses
- Mechanical Power-Transmission Apparatus



Certified Managing Excavation Hazards

Course Credential: Certified Managing Excavation Hazards (CMET)

Course Length: 2 Days

Credit: 2.0

Other Credit: ABIH Credit 2.67 CM Points, BCSP Credit 1.6 COCs

Course Fees: \$295.00

Course Description:

This 2-day course is designed as a training course to inform employers and employees of the best practices in trenching and excavation safety. Students will learn about the role and responsibility of the employers to assign a competent person to the excavation site and provide that person with the knowledge of key excavation hazards.

Prerequisite: None

Student Learning Outcomes:

Students will gain knowledge and skills that are required to perform the excavation duties.

Topics include:

- The understanding and application of definitions relating to OSHA's Excavation Standard (Subpart P),
- Excavation hazards and control measures,
- Soil analysis techniques,
- Protective system requirements and emergency response.

Certified Master Environmental, Health & Safety Administrator (CMSHEA)

Course Credential: CMSHEA

Course duration: 5 Days

Course Fees: \$2995.00

Our Certified Master Environmental, Health and Safety Administrator (CMSHEA) Certification Course will:

Course Objectives:

The Master Environmental, Health and Safety Administrator certification consists of 17 topical subjects. Each of these topics is also a certification course or courses that stand alone.

The IASHEP Certification "Master Environmental, Health and Safety Administrator course will teach the student the foundational statutory and regulatory origins of environmental health and safety compliance management and learn how to effectively and efficiently streamline resources to integrate safety and health regulations across sectors and industries.

This program prepares students to:

Develop and demonstrate a higher awareness of environmental ethics including the responsible exercise of individual judgment and civic responsibility and honesty in dealing with environmental issues

- Understand the importance and application of the science of ecology and its impact on the cultural and social creation of humans and earth's physical and biological system
- Clearly articulate the roles of legislatures, rule-making bodies, and regulatory enforcement agencies in environmental protection and management
- Display critical thinking processes: analyze, understand, and evaluate environmental issues in organizations including educating the public and instituting collaborative decision-making on issues involving the levels of acceptable risks and degree, intensity, and acceptability of environmental protection

Critical instruction is given on health and safety statutes and regulations, management of worker health and safety issues, environmental management and reporting systems, and business and finance strategy.

This course also covers the following elements

- Introduction To OSHA Regulations
- Introduction to EPA Regulations
- Introduction to Industrial Hygiene
- Introduction to Hazardous Materials
- Introduction to Machine Guarding and Machine Guarding Techniques
- Introduction to Respiratory Protection
- Principles of Ergonomics
- Introduction to Permit Required Confined and Non-Permit Confined Spaces
- Excavation, Trenching & Shoring
- Electrical Standards (High and Low Voltage)
- Introduction To Personal Protective Equipment (eyes, face, body, and other types of personal protective equipment.
- Introduction To Fall Protection and Fall Prevention Systems
- Introduction To Safety Standards for Ladders, Aerial Lifts and Scaffolds
- Introduction To Cranes (both mobile, gantry, truck and overhead), Forklifts and Material Handling Equipment
- Introduction to Laboratory Safety
- Introduction to Environmental laws and Regulations



Certified Materials Handling Equipment Specialist

Course Credential: CMHES

Course Length: 4 Days

Course Fees: \$795.00

Our Materials Handling Equipment certification covers:

- Crawler, Locomotive, and Truck Cranes
- Material Handling & Storage
- Overhead Bridge Cranes
- Jib & Wall Cranes
- Material handling rigging and lifting equipment
- And much more!

Certification: CMHES

Course Objectives:

The hazards of moving employees and heavy materials require a wide variety of protective measures for employees on general industry and the construction site. This course will teach you about regulatory requirements and safe use for this equipment.

The course covers safe rigging and slings for proper lifting and safety requirements for specific types of cranes, derricks, hoists, elevators, conveyors and forklifts.

Learning Outcome: Upon successful completion of this course, the student will be able to identify safety requirements pertaining to cranes and derricks, identify general safety requirements for material hoists, personnel hoists and elevators and best practices and techniques for rigging and slings used for proper lifting.

Course Topics Include:

- 29 CFR 1910.176 material handling
- 29 CFR 1910.178 forklift standards
- 29 CFR 1910.179 Overhead Bridge cranes
- 29 CFR 1910.179. Jib cranes
- 29 CFR 1910.180 Mobile cranes

- Safe rigging and slings i.e., nylon, rope, chain, hooks, bridles
- Inspection of rigging equipment

Audience

- General Industry and Construction Managers & Workers
- Safety Inspectors, Managers and Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists
- Materials Handling Technicians
- Crane and Hoist operators



Medic Basic Plus CPR & AED Safety Training Program

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course Fees: \$195.00

Program Objective

This program includes specific training on Automated External Defibrillation (AED) methods and CPR/First Aid training at the MEDIC Basic Plus level. This program uses video scenarios, in-class instructor demonstrations, and hands-on student practice.

CPR/First Aid Agenda:

- Circles of Care Concept
- SETUP and Barriers
- Initial Assessment
- Rescue Breathing
- One Rescuer CPR
- Airway Obstruction (Choking)
- Control of Bleeding
- Managing Shock
- Ongoing Assessment
- Warning Signs of Medical Illness
- Intro to Mechanism of Injury
- **Automated External Defibrillation (AED) Agenda:**
- Overview of ventricular fibrillation & use of defibrillators
- Guidelines for developing an Emergency Response Plan.
- A review of CPR technique

- A review of the ABC's of patient care
- A look at AED maintenance and troubleshooting.



IASHEP 015 -- Certified Construction Safety & Health Specialist Course

Course Credential: CCSHS

Course Length: 4 Days

Course Fees: \$795.00

Course Objectives:

This 4-day Construction course is for students wanting to learn the 29 CFR 1926 standards. The IASHEP 015 course is also a prerequisite for student wanting to attend the IASHEP 005 Trainers Course.

Once the student has attended the IASHEP 015 course and the IASHEP 005 Course, they will then be authorized by the IASHEP to teach and then issue the IASHEP 10- and 30-hour Construction Course completion cards. Note: OSHA 10- and 30-hour cards are limited to the United States and Trust Territories while the IASHEP cards are accepted throughout the United States and around the world. This course is a must for those who want to teach safety worldwide.

Learn crucial OSHA policies, procedures, and standards, as well as construction safety and health principles as they relate to real world situations. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide.

The certification program is intended to give the health and safety professional comprehensive knowledge of workplace hazards and an understanding of OSHA regulatory standards. These practical courses help students immediately apply what they have learned.

Learning Outcome:

Upon successful completion of this course, the student will be able to develop formal safety programs, research and understand OSHA construction industry regulations, letters of interpretation and directives and much more.

Topics covered:

- Effects of Workplace injuries and illnesses
- Mission and importance of OSHA in the workplace
- Organization, origin, codification of OSHA Standards
- Processes and Rules for OSHA inspections, citations, penalties and policies

- Walking and working surfaces hazards, ladders and scaffolds
- Emergencies including fire protection
- Fall Prevention, ANSI Z359 standards, Subpart M.
- Personal Protective Equipment
- Hazardous Materials / Global Harmonization
- Excavation & Trenching
- Materials Handling and Storage hazards
- Permit-Required Confined Space hazards
- Electrical hazards
- Hazardous energy hazards Lockout and Tagout
- And more



IASHEP-115 - Certified Safety & Health Specialist -- General Industry

Course Credential: CGSHS – General Industry

Course Length: 4 Days

Course Fees: \$795.00

Course Objectives:

This 4-day General Industry Course is for students wanting to learn the 29 CFR 1910 safety regulation / standards. The IASHEP 115 course is also a prerequisite for student wanting to attend the IASHEP 105 Trainers Course.

Once the student has attended the IASHEP 115 course and the IASHEP 105 Course, they will then be authorized by IASHEP to teach and then issue the IASHEP 10- and 30-hour General Industry Course completion cards.

Note: OSHA 10- and 30-hour cards are limited to the United States and Trust Territories while the IASHEP 10- and 30-hour general industry cards are accepted throughout the United States and around the world. This course is a must for those who want to teach safety and health worldwide.

Learn crucial OSHA policies, procedures, and standards, as well as construction safety and health principles as they relate to real world situations. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide.

The certification program is intended to give the health and safety professional comprehensive knowledge of workplace hazards and an understanding of OSHA regulatory standards. These practical courses help students immediately apply what they have learned.

Learning Outcome:

Upon successful completion of this course, the student will be able to develop formal safety programs, research and understand OSHA general industry regulations, letters of interpretation and directives and much more.

Topics Include:

- Effects of Workplace injuries and illnesses
- Mission and importance of OSHA in the workplace
- Organization, origin, codification of OSHA Standards

- Processes and Rules for OSHA inspections, citations, penalties and policies
- OSHA recordkeeping requirements for injuries and illnesses
- OSHA forms 300, 300A, and 301
- Walking and working surfaces hazards - 29 CFR 1910- Subpart D
- Emergencies including fire protection - 29 CFR 1910- Subpart E
- Machinery hazards - 29 CFR 1910- Subpart O
- Personal Protective Equipment- 29 CFR 1910- Subpart I
- Hazardous Materials - 29 CFR 1910- Subpart H
- Common Health hazards - 29 CFR 1910- Subparts G and Z
- Materials Handling and Storage hazards - 29 CFR 1910- Subpart N
- Permit-Required Confined Space hazards - 29 CFR 1910.146
- Electrical hazards - 29 CFR 1910- Subpart S
- Hazardous energy hazards - 29 CFR 1910.147
- And more



IASHEP 10 Hour Safety & Health Standards for the Construction

Course Credential: IASHEP 10-hour Completion Card

Course Length: 1 1/2 Days

Course Fees: \$190.00

Course Objectives: IASHEP training 10-hour construction training teaches safety awareness and helps each worker recognize and reduce the risks of job site hazards. This course covers interactive hazard recognition training is intended as an orientation to OSHA standards and covers safety and health hazards workers may face on construction work sites. Our 10-hour course places special emphasis on hazard identification, avoidance, control and prevention.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements as they apply to the construction industry.

Note: IASHEP 10-hour completion cards are accepted worldwide.

Prerequisite: None

Learn to:

- Define General Industry terms found in the OSHA standards
- Identify hazards that occur in the construction industry and determine appropriate standards
- Reporting hazardous conditions found
- Identify methods to correct hazards

Intended Audiences

The IASHEP 10-Hour Construction course is intended for workers and employees who need awareness training. These professionals may be:

- Construction Workers
- Foremen and Job Supervisors

- Construction Site Inspectors
- All Personnel Responsible for Construction-related Projects

Topics covered:

- Introduction to OSHA
- Rights and responsibilities of employers and employees
- OSH act of 1970
 - OSHA inspections, targeting, and penalties
- Hazard communication / Global Harmonization
- Walking and working surfaces
- Personal protective equipment
- Scaffolds
- Fire protection
- Electrical
- Ladders and stairways
- Tools
- Welding and more



IASHEP 10 Hour Safety & Health Standards for General Industry

Course Credential: IASHEP 10-hour Course Completion Card

Course Length: 1 1/2 Days

Course Fees: \$190.00

Course Objectives: IASHEP training 10-hour general industry training teaches safety awareness and helps each worker recognize and reduce the risks of job site hazards. This course covers interactive hazard recognition training intended as an orientation to OSHA standards and covers safety and health hazards workers may face when working in general industry facilities. Our 10-hour course places special emphasis on hazard identification, avoidance, control and prevention.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements as they apply to general industry.

Note: IASHEP 10 Hour Course Cards are recognized worldwide.

Prerequisite: None

Learn to:

- Define general industry terms found in the OSHA standards
- Identify hazards that occur in the general industry establishments and determine appropriate standards
- Reporting hazardous conditions found
- Identify methods to correct hazards

Intended Audiences

The IASHEP 10-Hour general industry course is intended for workers and employees who need awareness training. These professionals may be:

- Hourly Workers
- Foremen and Job Supervisors

- Safety Committee & Site Inspectors
- All Personnel Responsible for Safety Related Projects

Topics covered:

- Introduction to OSHA
- Rights and responsibilities of employers and employees
- OSH act of 1970
 - OSHA inspections, targeting, and penalties
- Hazard communication / Global Harmonization
- Walking and working surfaces
- Personal protective equipment
- Scaffolds
- Fire protection
- Electrical
- Ladders and stairways
- Tools
- Welding and more



IASHEP- 005 Certified Construction Industry Train the Trainer

Course Credential: CCTT

Course Length: 4 Days

Course Fees: \$795.00

Course Objectives:

This course allows the student to become a trainer in the IASHEP 10- and 30-hour construction safety and health training program, allows the trainer to conduct both the IASHEP 10-and 30-hour Construction safety classes, and to issue IASHEP 10-and 30-hour construction safety and health training program IASHEP cards to participants after verifying course completion.

Prerequisite: Safety & Health Standards for Construction Industry IASHEP 005

Course Prerequisite: Students must successfully complete the IASHEP 115 *Occupational Safety and Health Standards for General Industry* and have five (5) years of safety and health work experience in General Industry or a degree in occupational safety and health. Trainers are required to attend IASHEP 205 *Update for Construction Industry Trainers* at least once every four (4) years to maintain their trainer status.

Learn to:

- Define construction term found in the OSHA standards
- Present effective safety and health training programs in accordance with OSHA construction standards, regulations, and guidelines
- Identify hazards that occur in the construction industry and determine appropriate standards
- Prepare reports citing conditions found
- Identify methods to correct hazards

Topics covered:

- Introduction to OSHA standards
- Safety programs
- OSHA inspections, targeting, and penalties
- Training techniques

- Hazard communication
- Health hazards in construction and personal protective equipment
- Walking and working surfaces
- Scaffolding
- Trenching
- Overview of the outreach training program
- Electrical
- And more

Performance Test

- 25 specific teaching traits the student trainer must demonstrate during the presentation of their training session
- 75 points are possible
- Passing score is 50 points

Knowledge Test

- 50 multiple choice questions each worth one full point
- Passing score is 40 points (80%)
- Alternative version (randomized questions/answers) used for any retest
- This is an "Open Book" test, use of any student materials (i.e., computers, OSHA reference manual, CFR) is authorized



IASHEP 30-Hour Safety & Health Standards for the Construction

Course Credential: IASHEP Certified Construction Safety & Health Technician - 30 - Hours Construction

Course Credential: (CCSHT-30- Hours Construction)

Course Fees: \$390.00

Course Length: 4 Days

Course Objectives: IASHEP Certified Construction Safety & Health Technician training 30-hour is the primary method used to train workers and supervisors on hazard recognition and OSHA safety awareness and OSHA construction standards that helps each worker recognize and reduce the risks of job site hazards. This course covers interactive hazard recognition training is intended as an orientation to OSHA standards and covers safety and health hazards workers may face on construction work sites. Our 30-hour course places special emphasis on OSHA and State OSHA standards and hazard identification, avoidance, control and prevention.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements as they apply to the construction industry.

Note: IASHEP Certified Construction Safety & Health Technician training 30-Hour Construction Completion Cards are accepted worldwide.

Prerequisite: None

Learn to:

- Define General Industry terms found in the OSHA standards
- Identify hazards that occur in the construction industry and determine appropriate standards
- Reporting hazardous conditions found
- Identify methods to correct hazards

Intended Audiences

The **IASHEP Certified Construction Safety & Health Technician 30-Hour Construction course** is intended for workers and supervisory employees who need regulatory and awareness training.

These professionals may be:

- Construction Workers
- Foremen and Job Supervisors
- Construction Site Inspectors
- All Personnel Responsible for Construction-related Projects

Topics covered:

- Introduction to OSHA
- Rights and responsibilities of employers and employees
- OSH act of 1970
 - OSHA inspections, targeting, and penalties
- Hazard communication / Global Harmonization
- Walking and working surfaces
- Personal protective equipment
- Scaffolds
- Fire protection
- Electrical
- Ladders and stairways
- Tools
- Welding and more



IASHEP 30-Hour Safety & Health Standards for General Industry

Course Credential: IASHEP 30-Hour Completion Card

Course Length: 4 Days

Course Fees: \$485.00

Course Objectives: The 30-hour IASHEP general industry training is the primary method used to train workers and supervisors on hazard recognition, OSHA safety awareness, and OSHA general industry standards. This training helps each worker recognize and reduce the risks associated with job site hazards.

This course covers interactive hazard recognition training intended as an orientation to OSHA standards and covers safety and health hazards workers may face in general industry facilities. Our 30-hour course places special emphasis on OSHA and State OSHA standards and hazard identification, avoidance, control and prevention.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements as they apply to the general industry. OSHA outreach trainer cards are only authorized for the United States while the IASHEP 30-hour course completion card is recognized around the world.

Prerequisite: None

Learn to:

- Define General Industry terms found in the OSHA standards
- Identify hazards that occur in the general industry settings and determine appropriate standards
- Reporting hazardous conditions found
- Identify methods to correct hazards

Intended Audiences

The IASHEP 30-Hour general industry course is intended for workers and supervisory employees who need regulatory and awareness training. These professionals may be:

- Union and Non-Union Representatives
- Foremen and Supervisors
- Site Safety Committees

Topics covered:

- Introduction to OSHA
- Rights and responsibilities of employers and employees
- OSH act of 1970
 - OSHA inspections, targeting, and penalties
- Hazard communication / Global Harmonization
- Walking and working surfaces
- Personal protective equipment
- Fall protection / working at heights
- Fire protection
- Electrical
- Ladders and stairways
- Tools
- Welding and more



IASHEP 105 Certified General Industry Train the Trainer

Course Credential: CGTT

Course Length: 4 Days

Course Fees: \$995.00

Course Objectives:

This course is designed for individuals interested in teaching the IASHEP 10- and 30-hour General Industry safety and health training program to their employees and other interested groups. Using OSHA General Industry Standards as a guide, special emphasis is placed on those topics required in the IASHEP 10-and 30-hour program directives as well as those which are most hazardous. Students are briefed on effective instructional approaches and use of visual aids and handouts.

This course allows the student to become a trainer in the IASHEP 10- and 30-hour General Industry safety and health training program, allows the trainer to conduct both the IASHEP 10-and 30-hour General Industry safety classes, and to issue IASHEP 10- and 30-hour General Industry safety and health training program IASHEP cards to participants after verifying course completion.

Prerequisite: Safety & Health Standards for Construction Industry IASHEP 105.

Course Prerequisite: Students must successfully complete the IASHEP 115 *Occupational Safety and Health Standards for General Industry*. Trainers are required to attend IASHEP 205 *Update for Construction Industry Trainers* at least once every four (4) years to maintain their trainer status.

Note: IASHEP General Industry trainers must take the IASHEP 305 refresher training program every four years to maintain their status as an IASHEP trainer.

Learn to:

- Define General Industry terms found in the OSHA standards
- Present effective safety and health training programs in accordance with OSHA General Industry standards, regulations, and guidelines
- Identify hazards that occur in the General Industry and determine appropriate standards
- Prepare reports citing conditions found
- Identify methods to correct hazards

Topics covered:

- Introduction to OSHA standards
- Safety programs
- OSHA inspections, targeting, and penalties
- Training techniques
- Hazard communication / Global Harmonization
- Overview of the IASHEP training program requirements
- Means of Egress
- Fire protection
- Electrical
- Industrial trucks and materials handling equipment
- Ladders and stairways
- Tools
- Welding
- Confined space entry
- OSHA recordkeeping and more

Performance Test

- 25 specific teaching traits the student trainer must demonstrate during the presentation of their training session
- 75 points are possible
- Passing score is 50 points

Knowledge Test

- 50 multiple choice questions each worth one full point
- Passing score is 40 points (80%)
- Alternative version (randomized questions/answers) used for any retest
- Note: This is an "Open Book" test, use of any student materials (i.e., computers, OSHA reference manual, CFR) is authorized



IASHEP 205 Construction Industry Refresher Training

Course Length: 3 Days

Course Fees: \$695.00

Course Description

Description

Active IASHEP Authorized Construction Industry Trainers don't let your card expire! To stay current on relevant IASHEP & OSHA matters, IASHEP Authorized Construction Industry Trainers are required to attend a trainer update course every four years to maintain an authorized status as a trainer. This course is designed for personnel who have successfully completed the IASHEP 005 course and who are active trainers in the Outreach Program. Participants will be provided with an update on such topics as IASHEP & OSHA construction industry standards, policies, and regulations.

Prerequisite

IASHEP 005 Trainer Course in Occupational Safety & Health Standards for Construction Industry

Topics

- OSHA inspection procedures
- Safety training programs
- Hazard communication and health hazards
- Personal Protective Equipment (PPE)
- Fire prevention and protection
- Materials handling
- Tools
- Welding
- Electrical
- Scaffolds
- Fall protection
- Confined space entry
- Trenching
- Training techniques

Audience

Active IASHEP Authorized Construction Industry Trainers

Requirements

In addition to the registration form, students must provide a copy of their current IASHEP Training Program trainer card or an official transcript showing successful completion of the IASHEP 005 Trainer Course in OSHA Standards for Construction Industry for verification of trainer status.

Recommendation

Participants will be performing activities that require the use of a personal computer. To successfully complete all activities, it is strongly recommended that participants bring a personal computer to use during the class.



IASHEP 305 General Industry Refresher Training

Course Length: 3 Days

Course Fees: \$695.00

Course Description:

Active IASHEP Authorized General Industry Trainers don't let your card expire! To stay current on relevant IASHEP & OSHA matters, IASHEP Authorized General Industry Trainers are required to attend a trainer update course every four years to maintain an authorized status as a trainer. This course is designed for personnel who have successfully completed the IASHEP 105 course and who are active trainers in the Outreach Program. Participants will be provided with an update on such topics as IASHEP & OSHA general industry standards, policies, and regulations.

Prerequisite

IASHEP Trainer Course in Occupational Safety & Health Standards for General Industry

Topics

- Recordkeeping
- Walking / Working surfaces
- Exit routes, emergency action plans, fire prevention plans
- Personal Protective Equipment
- Fire protection
- Permit required confined space
- Materials handling
- Machine guarding
- Electrical

Audience

- **Active IASHEP Authorized General Industry Trainers Audience**
- **General Industry and Construction Managers & Workers**
- **Building Contractors**
- **Safety Supervisors**

- **Building Inspectors**
- **Training Managers**
- **Industrial Hygienists**

Requirements

In addition to the registration form, students must provide a copy of their current IASHEP Training Program trainer card or an official transcript showing successful completion of the IASHEP 105 Trainer Course in OSHA Standards for General Industry from their respective OSHA Training Institute Education Center, for verification of trainer status.

Recommendation

Participants will be performing activities that require the use of a personal computer. To successfully complete all activities, it is strongly recommended that participants bring a personal computer to use during the class.



**Certified Overhead Crane / Hoist & Rigging Specialist (COCRS)
credential: COCRS**

Course Length: 4 Days

Course Fees: \$795.00

Course Duration: 4 Days

This 4-day seminar is the most comprehensive crane and hoist inspection training available anywhere and is applicable to all cranes and hoists regardless of manufacturer.

Learn how to inspect your cranes like OSHA compliance officers. The 4-day Overhead Crane & Rigging Course is a comprehensive safety training program designed for anyone involved in managing, inspection or operating these types of cranes in the general industry field. Specifically devised for safety directors, supervisors, in-house inspectors, supervisors, and operators; the program provides complete information on OSHA crane and rigging compliance issues.

Top running and Underhung Cranes, Monorails, Electric, Pneumatic, Hand Chain and Lever Hoists are discussed in every detail. Students will gain competence in evaluating deficiencies and spotting safety related items, while learning to interpret Federal Regulations, National Standards and Crane and Hoist Specifications.

Certification is requires passing a fifty question, open book, multiple choice examination. Those successfully completing the exam will receive a laminated Crane Inspection Certification Card stating the individual has met the criteria set forth by Crane Manufacturers Association of America, Specification 78, and is Certified to operate and conduct daily inspections of Cranes and Hoists

The Overhead Crane/Hoist and Rigging training program is specifically designed to upgrade the existing knowledge and skill levels of all levels of overhead crane/hoist and rigging supervisors and operators.

All personnel attending this four-day program will gain significant and useful operating and inspection techniques and will leave with a broader understanding and appreciation of the requirements and responsibilities Overhead Crane/Hoist and Rigging.

Learning Outcomes:

Students will learn the safety requirements for safely setting up and operating overhead bridge cranes, portal cranes, jib cranes, mobile cranes and gantry cranes including use of load charts. Upon completion, students will have the knowledge and materials to set up an in-house crane safety training program that meet federal OSHA and the American National Standards Institute (ANSI) standards.

- Locate OSHA Standards references applicable to specific Crane & Rigging conditions and practices (29 CFR 1910.179 -1910.184 OSHA Standards)
- Locate American National Standards that relate to specific crane and rigging operations.
- Describe types of personal protective equipment (PPE), and the requirements for use in OSHA standards (Subpart E- Personal Protective Equipment)



Certified Patient Safety Specialist (CPSS)

Course Credential: CPSS

Course Length: 4 Days

Course Fess: \$895.00

Course Introduction:

One major source of injury to healthcare workers is musculoskeletal disorders (MSDs). In 2010, nursing aides, orderlies, and attendants had the highest rates of MSDs. There were 27,020 cases, which equates to an incidence rate (IR) of 249 per 10,000 workers, more than seven times the average for all industries. This compares to the all-worker days-away from work rate of 34 per 10,000 workers. The rate for construction laborers was 85.0, and for laborers and freight, stock and material movers the IR was 154.9, still far lower than that of nursing aides and orderlies. In 2010, the average incidence rate for musculoskeletal disorder (MSD) cases with days away from work increased 4 percent, while the MSD incidence rate for nursing aides, orderlies, and attendants increased 10 percent.

These injuries are due in large part to overexertion related to repeated manual patient handling activities, often involving heavy manual lifting associated with transferring, and repositioning patients and working in extremely awkward postures. Some examples of patient handling tasks that may be identified as high-risk include transferring from toilet to chair, transferring from chair to bed, transferring from bathtub to chair, repositioning from side to side in bed, lifting a patient in bed, repositioning a patient in chair, or making a bed with a patient in it.

Course Description:

This four-day course focuses the patient on a health care facility and the recommended safe work practices that need to be observed to prevent further patient incident. This course is designed to examine the culture within the healthcare facility and focus on effective systems and teamwork to accomplish the mutual goal of safe, high-quality performance. It is the shared commitment of management and employees to ensure the safety of the patient and the work environment. This course is designed to give health professionals an understanding of the historical development and current situation in quality improvement and the patient safety movement.

Prerequisite: None

Student Learning Outcomes: By the end of this program, participants will be able to:

- Explain the difference between structure, process, and outcome indicators.
- Describe methods for measuring performance and assessing quality of care.
- Describe how culture influences patient safety and reporting of safety events and near misses.
- Describe barriers which prevent healthcare professionals from collaborating to optimize patient care, and ways to remove these barriers.
- Identify mechanisms for identifying patient safety.
- Explore strategies for involving patients and families in patient safety efforts.
- Define: error, active error, and latent error.
- Describe how human factors engineering can help identify and resolve potential systems design problems.
- Identify and initiate steps to resolve potential “error traps” in the work environment.
- **Five step patient handling process:**
 - Step 1 - Identifying and assessing potential risk factors
 - Step 2 - Deciding on the appropriate patient handling technique
 - Step 3 - Preparing for the patient handling task
 - Step 4 - Performing the patient handling task
 - Step 5 - Evaluating the complete patient handling task



Occupational Injury & Illness Safety Specialist (OIIS)

Course Credential: Occupational Injury & Illness Safety Specialist

Course Duration: 5 Days

Course Fees: \$995.00

Our Occupational Injury & Illness Safety Specialist (OSS) Certification will:

Course Objectives:

Occupational health and safety specialists analyze many types of work environments and work procedures. Occupational Health and Safety Specialists inspect workplaces for adherence to regulations on safety, health, and the environment. They also design programs to prevent disease or injury to workers and damage to the environment. Occupational health and safety specialists and technicians frequently communicate with management about the status of health and safety programs. They also might consult with engineers or physicians. Specialists and technicians write reports, including accident reports, and enter information on Occupational Safety and Health Administration recordkeeping forms.

Course Topics:

- Promoting Effective Safety Programs
- Identifying Hazards in the Workplace
- Controlling Hazards in the Workplace
- Health and Safety Rights and Responsibilities
- Workers' Compensation and Return to Work Programs
- Bloodborne Pathogens
- Chemical Hazards and Hazard Communication
- Communicating Effectively about Workplace Health and Safety
- How Adults Learn Best
- Introduction to Ergonomics
- Joint Labor-Management Health and Safety Committees
- Workplace Violence Prevention
- Workplace Emergency Preparedness

Composition:

This is a stand-alone course with no additional components.

Course Prerequisites:

- None

Audience

- General Industry and Construction Managers & Workers
- Site Safety & Health Committee Members
- Safety, Health & Environmental Professionals
- Managers & Supervisors
- Training Managers
- Industrial Hygienists



OSHA 10 Hour Construction Course

Course Duration: 10 Hours or 1 ½ days

Course Fees: \$190.00

Course Objectives: OSHA 10-hour online training teaches safety awareness and helps each worker recognize and reduce the risks of job site hazards. This hazard recognition training is intended as an orientation to OSHA standards and covers safety and health hazards workers may face on construction work sites. Our 10-hour course places special emphasis on hazard identification, avoidance, control and prevention.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements as they apply to the construction industry.

Course Topics:

- Introduction to OSHA
- Material Handling
- Tools - Hand and Power
- Scaffolds
- Stairways and Ladders
- Excavations
- Electrical
- Personal Protective Equipment
- Fall Protection
- Cranes

At the end of this course the student will receive an OSHA 10-hour outreach training card.



OSHA 10 Hour General Industry Course

Course Objectives: OSHA 10-hour training is a great method used to train workers and supervisors on hazard recognition and OSHA safety standards.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements not specific to those working construction-only jobs. Workers taking general industry OSHA courses usually have jobs related to health care, factory, warehouse, manufacturing, storage and more.

Course Credential: United States Department of Labor 10-hour outreach card

Course Duration: 10 Hours or 1 ½ days

Course Fees: \$190.00

Course Topics:

- Introduction To OSHA
- Hazard Communication / Global Harmonization
- Fire Prevention & Protection
- Machine Guarding
- Flammable & Combustible Liquids
- Material Handling
- Ergonomics
- Personal Protective Equipment
- Bloodborne Pathogens

At the end of this course the student will receive an OSHA 10-hour outreach training card.



OSHA 30 Hour Construction Course

Course Objectives: The OSHA 30 Hour Outreach Training Program provides training for workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces. The program also provides information regarding workers' rights, employer responsibilities, and how to file a complaint. This is a voluntary program and does not meet training requirements for any OSHA standards.

Through this program, workers can attend 30-hour classes delivered by OSHA-authorized trainers. The 30-hour class is more appropriate for workers with some safety responsibility. Through this training, OSHA helps to ensure that workers are more knowledgeable about workplace hazards and their rights and contribute to our nation's productivity.

The Outreach Training Program is a voluntary program. Its purpose is to promote workplace safety and health and to make workers more knowledgeable about workplace hazards and their rights. Outreach training does not fulfill the training requirements found in OSHA standards. Employers are responsible for providing additional training for their workers on specific hazards of their job as noted in many OSHA standards.

Course Credential: United States Department of Labor 30 Hour Completion Card

Course Duration: 30 Hours or 3 ½ days

Course Fees: \$390.00

Course Topics:

- Introduction to OSHA
- Health Hazards In Construction
- Material Handling
- Tools - Hand and Power
- Scaffolds
- Stairways and Ladders
- Excavations
- Electrical
- Personal Protective Equipment

- Fall Protection
- Cranes and More

At the end of this course the student will receive an OSHA 30-hour outreach training card.

Audience

- Construction Managers & Workers
- Building Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



OSHA 30 Hour General Industry Course

Course Duration: 30 Hours or 3 ½ days

Course Objectives: OSHA 30-hour training is a great method used to train workers and supervisors on hazard recognition and OSHA safety standards. Our training covers specific OSHA regulations and requirements as they apply to the general industry and teaches safety awareness to help each worker recognize and reduce the risks of jobsite hazards.

OSHA recommends workplace safety training for a safe and healthful work environment. Our training covers specific OSHA regulations and requirements not specific to those working construction-only jobs. Workers taking general industry OSHA courses usually have jobs related to health care, factory, warehouse, manufacturing, storage and more.

Course Credential: United States Department of Labor 30 Hour Completion Card

Course Duration: 30 Hours or 3 ½ days

Course Fees: \$390.00

Course Topics:

- Hazard Communication
- Fire Prevention & Protection
- Machine Guarding
- Flammable & Combustible Liquids
- Material Handling
- Ergonomics
- Industrial Hygiene
- Personal Protective Equipment
- Bloodborne Pathogens
- Welding, Cutting & Brazing
- And more...

At the end of this course the student will receive an OSHA 30-hour outreach training card.

Certified Personal Protective Equipment Specialist (CPPES)

Course Credential: CPPES

Course Duration: 4 Days

Course Fees: \$995.00

Course Introduction

Hazards exist in every workplace in many different forms: sharp edges, falling objects, flying sparks, chemicals, noise and a myriad of other potentially dangerous situations. The Occupational Safety and Health Administration (OSHA) require that employers protect their employees from workplace hazards that can cause injury.

Controlling a hazard at its source is the best way to protect employees. Depending on the hazard or workplace conditions, OSHA recommends the use of engineering or work practice controls to manage or eliminate hazards to the greatest extent possible. For example, building a barrier between the hazard and the employees is an engineering control; changing the way in which employees perform their work is a work practice control.

When engineering, work practice and administrative controls are not feasible or do not provide sufficient protection, employers must provide personal protective equipment (PPE) to their employees and ensure its use. Personal protective equipment, commonly referred to as "PPE", is equipment worn to minimize exposure to a variety of hazards. Examples of PPE include such items as gloves, foot and eye protection, protective hearing devices (earplugs, muffs) hard hats, respirators and full body suits.

Course Objectives:

You will learn about the OSHA and ANSI Personal Protective Equipment (PPE) Regulations.

How to conduct and document a proper Personal Protective Equipment (PPE) Hazard Assessments,

How to conduct effective training on the Personal Protective Equipment (PPE)

How to effectively design out many of the hazards that are in the workplace

And much more.

According to OSHA 1910.132(d)(1) it states “ The employer shall assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE) and 1910.132(d)(2). The employer shall verify that the required workplace hazard assessment has

been performed through a written certification that identifies the workplace evaluated; the person certifying that the evaluation has been performed; the date(s) of the hazard assessment; and, which identifies the document as a certification of hazard assessment.

Topics Covered:

- Examples of PPE
- What can happen by not wearing PPE
- Why do we wear and how to properly wear PPE
- PPE Regulations
- Elements of PPE program
- What criteria to follow for selecting PPE
- PPE limitations
- Respiratory Protection
- Hearing Protection
- Hand Protection
- Eye Protection
- Face Protection
- Foot Protection
- Head Protection
- Body Protection
- PPE inspection, maintenance, care and disposal

Audience

- General Industry and Construction Managers & Workers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists



OSHA Recordkeeping Specialist Certification (ORSC)

Course Credential: ORSC

Course Duration: 1 Day

Course Fees: 395.00

Course Descriptions:

This course is designed to assist employers in identifying and fulfilling their responsibilities for posting certain records, maintaining records of illnesses and injuries and reporting specific cases to Occupational Safety and Health Administration (OSHA). Participants who successfully complete this course will be able to identify OSHA requirements and complete OSHA forms 300, 300A and 301.

Learning Outcome:

Upon successful completion of the course, the student will understand the changes in updated recordkeeping regulations, learn how to utilize the 300, 300A and 301 forms, determine the difference between first aid and medical services, understand covered employees concerning contractors and temporary employees and understand employee privacy rights.

Our OSHA Recordkeeping Specialist certification covers:

- Organization, Purpose, Scope
- Definitions
- Exemptions
- Newly Covered Industries
- Recording Criteria
- Exceptions
- And much more!

Course Objectives: Course includes:

- Narrative Explanation of New Regulation
- Comparison of Changes from Old to New Regulation
- Printable OSHA 300, 301, and 300A forms
- Copy of New Regulation

Audience

- Employers with 11 or more employees
- Safety & Industrial Hygienists
- Safety, Health and Environmental Supervisors
- Human Resource Personnel
- Building Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Certified Petroleum Safety, Health & Environmental Auditor (Drilling and Servicing) (CPSHEA)

Course duration: 5 Days

Course Fees: \$1895.00

Course Description: The IASHEP Certified Petroleum Safety, Health & Environmental Auditor (Drilling and Servicing) course covers:

The IASHEP Certified Petroleum Safety, Health & Environmental Auditors (Drilling and Servicing) course covers Hazards Recognition and Standards for On-Shore Oil and Gas Exploration and Production provides essential information for employees and employers to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the onshore oil and gas exploration and production industry.

This includes work sites associated with the onshore exploration and production of oil and gas including, but not limited to construction, drilling, completion, well servicing, production, product gathering and processing, and product transmission. This course is intended for employees and employers engaged in all phases of U.S. onshore oil and gas exploration and production.

Course Topics Include:

How to conduct an effective audit

Walking and Working Surfaces and Fall Protection

Electrical Standards

Chemical Hazards and Standards

Personal Protective Equipment (eye, face, body and respirators)

Hazardous Materials & Storage of Hazardous Materials

Permit-Required Confined Space Entry

Welding, Cutting and Brazing

Fire Protection & Prevention

Cranes, Rigging and Materials Handling Equipment

Lockout/Tagout Policies and Procedures

Excavation & Trenching

Course Prerequisites: The following courses are a pre-requisite of this program:

IASHEP 115 Course

IASHEP 015 Course

IASHEP Personal Protective Equipment (PPE) Course

IASHEP Pall protection Course

Certified HAZWOPER Training Specialist (CHTS) participants must have completed a HAZWOPER 40-hour Course or equivalent prior to taking the course.

Audience

- Human Resource Personnel
- Oil and Gas Drilling Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Certified Petroleum Safety, Health, Environmental Administrator (CPSHEA) - Pipeline Systems

Course Credential: CPSHEA – Pipeline Systems.

Course Duration: 5 Days

Course fees: \$1895.00

Course Certification: Certified Petroleum Safety & Health Administrator Pipeline Systems

Course Introduction: Pipeline companies are responsible for the safety of pipelines, operating under a comprehensive series of regulations from construction to operation and maintenance. Federal and state pipeline inspectors evaluate whether operators are being diligent in meeting regulatory requirements, conducting proper inspections, and making necessary repairs.

The U.S. Department of Transportation's Pipelines and Hazardous Materials Safety Administration (PHMSA) issues pipeline safety regulations addressing construction, operation, and maintenance, inspects pipeline operators, and enforces against violations of pipeline safety laws and regulations. PHMSA regulates interstate and intrastate hazardous liquids transmission pipelines, except that PHMSA approves some state agencies to exercise interstate inspection authority and/or intrastate inspection and enforcement authority. States may issue regulations over intrastate pipelines if they are consistent with federal regulations. These state pipeline safety agencies are usually members of the National Association of Pipeline Safety Representatives (NAPSR).

PHMSA also regulates onshore crude oil gathering pipelines that could impact highly populated areas, cross commercially navigable waterways, or affect rural unusually sensitive areas. PHMSA regulates gathering pipelines greater than 6 5/8" diameter in all "non-rural" areas and rural areas (1) within a quarter mile of an "unusually sensitive area" and (2) operating above a certain pressure. Unusually sensitive areas are determined by PHMSA and include drinking water sources and ecological resources unusually sensitive to environmental damage from a liquids release. Other gathering lines can be regulated by states or the Interior Department.

Course Objectives: This 5-day course provides awareness level training for engineers new to the design, construction, operations and maintenance of hydrocarbon liquids and natural gas liquids (NGLs) pipeline systems.

This course will cover pipeline systems located in the United States and integrate seven topics into the life cycle of pipelines and related facilities.

Topics Include:

- Technical basis for pipeline systems,
- Key facilities that are integrated into pipeline systems,
- Regulatory and environmental compliance,
- Key considerations for public and governmental interaction,
- Project development and construction challenges,
- Strategies for pipeline system operations,
- Maintenance and repair.

Course Prerequisites:

IASHEP 115 Course

IASHEP 015 Course

IASHEP Personal Protective Equipment (PPE) Course

IASHEP Pall protection Course

Certified HAZWOPER Training Specialist (CHTS) participants must have completed a HAZWOPER 40-hour Course or equivalent prior to taking the course.

Audience

- Human Resource Personnel
- Oil and Gas Drilling Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Petroleum Environmental, Health and Safety Manager (PEHSM) - Pipeline Systems Course

Course Duration: 5 Days

Course Fees: \$2195.00

Course Certification: Certified Petroleum Environmental, Health & Safety Manager (CPEHSM) - Pipeline

IASHEP Petroleum Environmental, Health and Safety Manager Course covers:

- Authority and Scope of the Pipeline Safety Program
- Legislation, Rules & Regulations, Administration
- DOT-PHMSA-OPS Oversight and Reference Library
- Fed & State: Initiatives-Guidance-Training
- R & D Work-Knowledge Base-Applications
- Training & Qualifications Protocols & Programs
- Compliance, Construction, Enforcement & Inspection Standards
- Public Awareness Requirements & Training
- Damage Prevention Considerations
- And much more!

Course Objectives:

This course covers the pipeline safety program and rules, regulations, and tools that are critical to safety throughout this vast, diversified, and complex industry. A wide range of expertise and managerial skills required to constantly update procedures, verify compliance, and continually improve operational performance is presented. This course provides the student with the knowledge and expertise to remain current with regulations, protocols, and new industry standards for safely building, operating, and maintaining petroleum and petroleum derivative hazard liquid pipeline transmission and distribution systems and ancillary facilities.

Learning Outcome:

The CPEHSM – Pipeline Safety will capably serve as safety team director in responsible charge of comprehensive safety and regulatory compliance initiatives for pipeline facilities construction, operation, and maintenance. This individual will control training, reporting, analysis, and assign responsibility for job safety and

worker compliance for all employees and subcontractors and will serve as capable lead for public awareness programs and community interaction.

Course Prerequisites:

- Completion of IASHEP Certified Petroleum Safety, Health and Environmental Auditor (CPSHEA) - Pipeline Safety course
- IASHEP 115 Course
- IASHEP 015 Course
- IASHEP Personal Protective Equipment (PPE) Course
- IASHEP Pall protection Course
- Certified HAZWOPER Training Specialist (CHTS) participants must have completed a HAZWOPER 40-hour Course or equivalent prior to taking the course.

Audience

- Human Resource Personnel
- Oil and Gas Pipeline Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Petroleum Environmental, Health and Safety Specialist (PEHSS) - Servicing and Drilling

Course Duration: 5 Days

Course Certification: PEHSS- (Servicing and Drilling)

Course Fees: \$995.00

IASHEP Petroleum Environmental, Health and Safety Specialist (PEHSS) - Servicing and Drilling covers:

Course Description

The Certified IASHEP Petroleum Environmental, Health and Safety Specialist (PEHSS) - Servicing and Drilling course for On-Shore Oil and Gas Exploration and Production provides essential information for employees and employers to protect themselves by developing knowledge and skills to anticipate, recognize and control hazards common to the onshore oil and gas exploration and production industry.

This includes work sites associated with the onshore exploration and production of oil and gas including, but not limited to construction, drilling, completion, well servicing, production, product gathering and processing, and product transmission. This course is intended for employees and employers engaged in all phases of U.S. onshore oil and gas exploration and production.

Course Objectives:

The course is designed for employees, management and owners of businesses associated with all phases of onshore oil and gas exploration and production operations. To get the most from this course, it is recommended that attendees have some prior experience or familiarity with oil and gas extraction processes, since not all oil and gas terms are described fully during the course.

This course provides essential information for employees and employers to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the onshore oil and gas exploration and production industry.

Course Topics:

- OSHA Standards, History, and Organization

- Inspections, Citations, and Penalties
- Multi-Employer Workplaces
- What is Well Drilling?
- Drilling Rig Components
- Site Preparation for Drilling Operations
- Setting Up the Drilling Rig
- Pre-Startup Safety
- General Services
- THE ABCs Hydrogen sulfide
- Overview of the PSM Rule
- Bloodborne Pathogens
- Hygiene
- Walking and Working Surfaces and Fall Protection
- Electrical Standards
- Chemical Hazards and Standards
- Personal Protective Equipment (eye, face, body and respirators)
- Hazardous Materials
- Permit-Required Confined Space Entry
- Welding
- Egress and Fire Protection
- Materials Handling
- Lockout/Tagout

- Excavation

Prerequisites:

- None

Audience

- Human Resource Personnel
- Oil and Gas Drilling Contractors & Employees
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers



Petroleum Environmental, Health and Safety Manager (PEHSM) - Oil & Gas Drilling Systems Course

Course Duration: 5 Days

Course Fees: \$2195.00

Course Certification: Certified Petroleum Environmental, Health & Safety Manager (CPEHSM) - Oil & Gas Drilling & Servicing

IASHEP Petroleum Environmental, Health and Safety Manager Course covers:

- Authority and Scope of the oil & gas drilling and servicing operation
- Legislation, Rules & Regulations, Administration
- Fed & State: Initiatives-Guidance-Training
- R & D Work-Knowledge Base-Applications
- Training & Qualifications Protocols & Programs
- Compliance, Construction, Enforcement & Inspection Standards
- Public Awareness Requirements & Training
- Damage Prevention Considerations
- And much more!

Course Objectives:

This course covers the oil & gas drilling and servicing the safety program and rules, regulations, and tools that are critical to safety throughout this vast, diversified, and complex industry. A wide range of expertise and managerial skills required to constantly update procedures, verify compliance, and continually improve operational performance is presented.

This course provides the student with the knowledge and expertise to remain current with regulations, protocols, and new industry standards for safely building, operating, and maintaining petroleum and petroleum derivative hazard liquid pipeline transmission and distribution systems and ancillary facilities.

Learning Outcome:

The CPEHSM – Oil & Gas Drilling & Servicing professional will capably serve as safety team director in responsible charge of comprehensive safety and regulatory compliance initiatives for pipeline facilities construction, operation, and maintenance.

This individual will control training, reporting, analysis, and assign responsibility for job safety and worker compliance for all employees and subcontractors and will serve as capable lead for public awareness programs and community interaction.

Course Prerequisites:

- Completion of IASHEP Certified Petroleum Safety, Health and Environmental Auditor (CPSHEA) - Pipeline Safety course
- IASHEP 115 Course
- IASHEP 015 Course
- IASHEP Personal Protective Equipment (PPE) Course
- IASHEP Pall protection Course
- Certified HAZWOPER Training Specialist (CHTS) participants must have completed a HAZWOPER 40-hour Course or equivalent prior to taking the course.

Audience

- Human Resource Personnel
- Oil and Gas Pipeline Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Certified Petroleum Safety, Health, Environmental Administrator (CPSHEA) - Oil & Gas Drilling

Course Credential: CPSHEA – Oil & Gas Drilling

Course Duration: 5 Days

Course fees: \$1895.00

Course Certification: Certified Petroleum Safety & Health Administrator - Oil & gas Drilling

Course Introduction:

Course Objectives: This 5-day course prepares the student to administer an effective environmental, health and safety operation. The Oil & Gas Drilling Administrator provides onsite supervision of day-to-day drilling operations, ensuring the safety of all personnel on location while successfully executing the Operator's drilling plan.

Topics Include:

- Technical basis for oil & gas Drilling operations,
- Regulatory and environmental compliance,
- Key considerations for public and governmental interaction,
- Project development and construction challenges,
- Provide strategies for oil and gas drilling and servicing system operations,
- Maintenance and repair.

Course Prerequisites:

IASHEP 115 Course

IASHEP 015 Course

IASHEP Personal Protective Equipment (PPE) Course

IASHEP Pall protection Course

Certified HAZWOPER Training Specialist (CHTS) participants must have completed a HAZWOPER 40-hour Course or equivalent prior to taking the course.

Audience

- Human Resource Personnel
- Oil and Gas Drilling Contractors
- Safety, Health & Environmental Professionals
- Site Safety Committees & Representative
- Training Managers
- Industrial Hygienists



Pandemic Influenza and Workplace Preparedness

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course fees: \$195.00

Course Description

This 1-day course is designed to provide businesses and organizations performing general industry activities with the knowledge, skills and abilities to effectively plan for a local or regional influenza epidemic or a pandemic caused by an influenza virus.

The target audience is private business leaders and members of their management team that may be integral to preparedness planning, including but not limited to, finance, security, safety and human resources.

Course Topics Include:

- Impact of Pandemic Influenza
- Key Elements of a Preparedness Plan
- Strategies to Support Continuity of Business Operations
- Resources to Support Pandemic Influenza Preparedness

Prerequisite: None



Certified Process Safety Management

Course Credential: CPSM

Course Length: 4 Days

Course Fees: \$895.00

Course Description:

This course provides an in-depth study of each PSM element. The course introduces each PSM element and the specific guidelines for integrating PSM element requirements into other corporate programs and evaluating program compliance throughout the implementation phase.

This course also covers how to expand your PSM program to include the RBPS (risk-based process safety) elements as proposed by the CCPS (Center for Chemical Process Safety), a division of AIChE (American Institute of Chemical Engineers).

Case Studies – Case studies and exercises are used throughout the course to illustrate interpretations of the requirements and demonstrate ways to develop an effective PSM program, including several video-based case studies, including several video-based case studies.

Typical Course Candidates

- Managers – Operations, Safety and Executive
- Engineers – Process, Safety and Mechanical
- PSM Implementation Team Members – Anyone involved with implementation, including operators and maintenance personnel
- Compliance Auditors
- Environmental Management and Technicians

What You Will Learn:

- To interpret the performance-based requirements of the U.S. OSHA PSM and EPA risk management standards, as well as learn about related industry standards
- The elements of process safety that are missing from typical PSM systems, including Human Factors elements (communication, human system interface, work environment, staffing, and fitness for duty), Facility Siting element, Project Risk Management, Senior Leadership & Accountability.
- Multiple options for implementing an effective need-specific program

- Specific guidelines for developing cost effective written programs tailored for each PSM element, whether for a single facility or a corporation
- How to avoid costly implementation mistakes
- Jargon for communicating PSM requirements to others throughout the organization

Audience

- General Industry and Construction Managers & Workers who are involved with process safety management activities.
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists



Certified Refinery Safety, Health & Environmental Officers Course

Course Credential: CRSHEO

Course Duration: 5 Day's

Course Fees: \$1995.00

Course Description:

This course presents occupational safety and health standards that apply to the oil and gas refinery and storage industry. Standards addressed in this class come primarily from 29 CFR 1910, the OSHA general industry regulations, along with selected OSHA construction regulations from 29 CFR 1926.

The course is designed for employees, management and owners of businesses associated with oil and gas refining or storage operations. It will help to be familiar with oil and gas refining processes, since not all oil and gas terms are described fully.

Student Learning Outcomes:

Upon the successful completion of this course, participants will be able to identify the most common hazards associated with oil and gas refining and storage activities, locate applicable OSHA standards and requirements, and recommend abatement methods for these hazards and violations of these standards.

Topics Include:

- OSHA Standards, History, and Organization
- Inspections, Citations, and Penalties
- Refinery Definitions
- How A Refinery Works
- Storage Tanks
- Introduction to Process Safety Management
- Hazard Communication
- Emergency Action and Fire Prevention
- THE ABCs HYDROGENSULFIDE
- Overview of the PSM Rule
- Bloodborne pathogens
- Walking and Working Surfaces and Fall Protection
- Electrical Standards
- Chemical Hazards and Standards
- Personal Protective Equipment (eye, face, body and respirators)
- Hazardous Materials
- Permit-Required Confined Space Entry
- Welding

- Egress and Fire Protection
- Materials Handling
- Lockout/Tagout
- And more:

Audience

- General Industry and Construction Managers & Refinery Workers
- Building Contractors
- Safety Supervisors
- Building Inspectors
- Training Managers
- Industrial Hygienists



Safety Committee Safety & Health Specialist Training (SCSHS)

Course Credential: SCSHS

Course Length: 3 Days

Course Fees: \$695.00

Course Description

Description

This course provides an agency's safety committee with the safety management principles that they need to be effective. The course will cover the safety committee's duties, roles, and expectations to include time saving tips and techniques to make the committee an integral part of an agency's safety program. Participants will also receive instruction that covers performing a job safety, analysis and accident investigations.

Course Overview

At the end of the course, participants will be familiar with:

- OSHA & State OSHA requirements
- Role of Safety & Health Committee Member
- Identification of common workplace safety and health hazards
- Preventive measures
- Inspection and accident investigations

Who should attend

Members of Workplace Safety and Health Committee Audience

- General Industry and Construction Managers
- Site Safety, Health & Environmental Committees
- Safety , Health & Environmental Professionals
- Building Inspectors

- Training Managers
- Industrial Hygienists

Course Outline

- Workplace Safety and Health Act (WSHA) and Related Legislations
- Mechanical and Electrical Hazards
- Environmental Hazards
- Chemical and Fire Hazards
- OSHA Inspection
- Occupational Health and Diseases
- Risk Assessment
- Small Group Activities
- Accident Investigation



OSHA Safe Bolting: Principles and Practices

Course Credential: Course completion Certificate

Course Length: 1 Day

Course Fees: \$195.00

Course Description:

This course provides awareness of safety issues involved in bolting applications so that the participant, upon completing the course, will possess the knowledge and skills to recognize when there is danger present in a bolting application, stop, and inform his/her supervisor. Familiarity with the safe operation and handling of high-powered bolting tools is essential to personal and workplace safety.

Prerequisite: None

Student Learning Outcomes:

Students will gain knowledge and skills that are required to perform the excavation duties.

Topics include:

Pressure vessels and piping, machinery or mechanical joints, and structural connections.

The course is a facilitated, interactive training session focusing on class discussion, group participation, and practical activities



Certified Scaffold Competent Person (CSCP)

Course Length: 4 Days

Course Fees: \$795.00

Course Introduction:

In 2010 alone, OSHA reported 7,069 scaffolding violations in job sites across America with 37 workers dying in scaffold related incidents. This makes Scaffolding the second-most cited violation behind Fall Protection and shows the need for proper safety training in this area of work.

A competent person is a necessity on every job site and is someone who has sufficient experience and/or knowledge to recognize scaffold hazards, correct unsafe conditions, and who could shut down the worksite until any hazards are corrected. The competent person should be the most knowledgeable person, in this case about scaffold safety, on site.

IASHEP Scaffolding for the Competent Person course ensures that a student will receive all the proper training pursuant to OSHAs requirement of Competent Persons for this **standard 29 CFR 1926.451**.

Course Description

On this four-day course, participants will acquire an excellent understanding and application of Occupational Safety and Health Administration (OSHA) Standards 1926.450-454, become familiar with and learn how to analyze the letters of interpretation. Comprehensive content is included to provide broad awareness of inspection requirements plus identifying and minimizing hazards associated with scaffolds.

Prerequisite

There are no prerequisites for this class

Topics

- Subpart L - OSHA Standards Appendices A-E
- Interpretations of Cross Reference (Index, Disclaimer, Interpretations)
- US DOL Scaffold Checklist
- Workshop with fatal facts exercise

- Planking specifications, use, SPIB

Audience

- Construction Industry
- Safety Supervisors
- Building Inspectors

Education Credits

3.10 CEU



Scaffold Awareness Safety Course

Course Credential: Course Completion Certificate

Course Length: 1 Day

Course Fees: \$295.00

Program Objective:

In a Bureau of Labor Statistics study, 72% of workers injured in scaffold accidents attributed the accident either to the planking or support giving way, or to the employee slipping or being struck by a falling object.

All of these can be controlled by compliance with the OSHA standard for scaffolding **29 CFR 1926.451**, outlined in this course. If you work, or are going to be working, in or around scaffolds and at height, then this scaffold course will provide you with a very nice introduction on how you can do this type of work safely.

This Scaffold Awareness Safety Course will teach you appropriate scaffold construction methods which include erecting, moving or altering scaffolds properly, and protecting from falling objects or tools.

The course includes information ensuring stable access to scaffolds and the hazards involved with scaffolds. Inspection and fall protection are also discussed

Course Topics

- Overview of OSHA Scaffold Safety
- Introduction to Scaffolds
- General Scaffold Safety

INDUSTRY TERMS

- Heavy Duty Tubular Welded Frame
- Plaster & Stucco Light Duty Scaffold
- Ladder Jack Scaffolds
- Suspended Scaffolds
- OSHA

Audience

- Construction industry personnel
- Managers concerned about liability and workers' compensation costs.

- Safety supervisors
- Building inspectors
- Small Business Owners
- Safety Committee Representatives



Certified Scaffold Builders & Erector Specialist

Course Credential: Certified Scaffold Builder & Erector Specialist (CSBES)

Course Length: 3 Days

Course Fees: \$595.00

Program Objective:

In a Bureau of Labor Statistics study, 72% of workers injured in scaffold accidents attributed the accident either to the planking or support giving way, or to the employee slipping or being struck by a falling object. All of these can be controlled by compliance with the OSHA standard for scaffolding **29 CFR 1926.451**, outlined in this course. If you work, or are going to be working, in or around scaffolds and at height, then this scaffold course will provide you with a very nice introduction on how you can do this type of work safely.

This training is performed in accordance with the Occupational Safety and Health Administration (OSHA) Construction Industry Scaffold Standard, 29 CFR 1926 subpart L. This course covers the safe procedures and work practices associated with erecting, dismantling, and usage of free-standing supported scaffolding (frame, tube and clamp, and system). This course incorporates only classroom training and does not include hands-on practice.

Course Topics

- Overview of Scaffold Safety
- Introduction to Scaffolds
- General Scaffold Safety

INDUSTRY TERMS

- Heavy Duty Tubular Welded Frame
- Plaster & Stucco Light Duty Scaffold
- Ladder Jack Scaffolds
- Suspended Scaffolds
- OSHA

Audience

- Construction industry personnel
- Managers concerned about liability and workers' compensation costs.
- Safety supervisors
- Building inspectors
- Small Business Owners
- Safety Committee Representatives



Certified Slip, Trips and Fall Prevention Specialist (CSTFPS)

Course Credential: CSTFPS

Course Length: 4 Day's

Course Fees: \$795.00

Program Objective:

Slips, trips, and falls are second only to motor vehicles as a cause of fatalities.

Same level slips, trips and falls are occupational hazards that can be found in almost every type of work setting.

It is estimated that 3.8 million disabling work injuries are caused each year by slips, trips, and falls, accounting for 12 percent to 15 percent of all workers' compensation costs. Many people are surprised to hear how serious falls can be.

The average disabling claims cost of a slip, trip, and fall claim is \$22,000. * However, the most sobering fact is that slips, trips, and falls cause 15 percent of all accidental deaths, second only to motor vehicle accidents. **

This training session is designed to provide all workers with a better awareness of safe conditions and work practices and procedures to reduce slip, trip and fall hazards. Topics covered include:

- The Occupational Safety and Health Administration (OSHA) standard for walking and work surfaces
- Hazards in the workplace
- Hazard prevention
- Work site housekeeping and maintenance
- Proper footwear
- Proper walking techniques
- Coefficient of friction testing

Audience

- Construction & General Industry personnel
- Managers concerned about liability and workers' compensation costs.
- Safety supervisors
- Building inspectors
- Small Business Owners
- Safety Committee Representatives
- Industrial Hygienist



Storm Water Prevention Program

Course Credential: Course Completion Certificate

Course Length: 2 ½ Days

Course Fees: \$395.00

Course Description:

Effective July 1, 2010, the New SWRCB Order 2009-0009-DWQ Construction General Permit was put in effect. This training program meets requirements for training issued by the State wide General Storm Water Permit Associated with Construction Activities.

Program Objective

Participants receive materials which include printed presentation slides, answers to frequently asked questions, a Storm Water Pollution Prevention Plan template with instructional prompts, Definitions, Agency and Specific Personnel Contact information and various other Take Away Reference materials, that will aid each attendee well after the course is completed.

Program Agenda

- Jurisdictional Authority & Types of Permits
- National
- Statewide
- Municipal
- Individual and De Minimus
- Permitting Processes
- Waste Discharge Identification Number
- Notice of Intent
- Water Quality Management Plans (WQMP)
- Grading Permit Approval Requirements

- Erosion Controls, Sediment Controls
- Storm Water Pollution Prevention Plan (SWPPP)
- General Components of a Site Specific SWPPP
- Phased Implementation of a SWPPP & Monitoring Program
- Site Administration & Record Keeping
- SWPPP Certification
- Employee Training Requirements.
- Site Inspections.
- Structural Best Management Practices (BMP) Monitoring Logs.
- Potential Pollution Source Inventory & Management Logs
- Weather Logs
- Permit Termination Processes
- Property Transfer Docs Developer to Homeowner Assoc.
- Relinquishment of WQMP to New Property Owner
- Notice of Termination Filing
- Project Closure



Certified Qualified Electrical Worker (CQEW)

Course Credential: CQEW

Course Length: 4 Days

Course Fees: \$895.00

Prerequisite: None.

Program Objective

Our Qualified Electrical Worker (QEW) training program helps the employer meet training requirements established in OSHA regulations and NFPA standards. This program assures both the employer and the electrical worker that proper attention and training have been given to the employee concerning potential electric shock, fire, and arc flash hazards.

Based on NFPA 70E, workers attending this course will gain an immense respect for the power of electricity. They will learn about personal safety for working on or around electrical systems and equipment, how to use proper materials and procedures for doing electrical work - and the potential consequences for themselves or others if they don't.

Taught as if they were our own employees, workers are given practical instruction that they can immediately apply when they go back to their workplace. This course also helps companies' meet their OSHA training obligations as outlined in CFR 1910.331-335.

This program is a must for anyone who works on or around any electrically energized equipment at industrial plants, utilities or commercial and private building facilities. From machine operators and janitorial personnel to maintenance workers and experienced electricians - anyone who encounters electrical equipment must receive electrical safety training to follow OSHA.

Program Agenda

- How to identify electrical hazards
- "Qualified" vs. "Unqualified" electrical workers
- Safe approach distances to exposed electrical conductors
- PPE (Personal Protective Equipment) for electrical safety
- Proper work practices in wet locations containing electricity

- Lockout/Tagout procedures for electrical equipment
- Safety requirements for electrical installations
- How OSHA Rules apply to your job & workplace
- NFPA 70E significant changes for 2012
- Energized Electrical Work Permit
- Flash Protection Boundary and Limits of Approach
- NFPA 70E Boundaries and Spaces
- Flash Protection Calculations



Certified Respiratory Train the Trainer (CRTT)

Course Credential: CRTT

Course Duration: 4 Days

Course Fees: \$895.00

Course Objectives: Learn how to establish, maintain, and monitor a respirator program following the requirements in 29 CFR 1910.134. Discuss the technical aspects for the proper selection and use of respiratory protection. Evaluate compliance with OSHA's standard by using the compliance directive and the "Small Entity Compliance Guide." Topics include Respiratory Protection Program, Fit Testing Demonstration, Selection of Respirators, Maintenance and Care.

The Respiratory Protection Standard, 29 CFR 1910.134. It requires a written program for respirator use, medical evaluations of the respirator users, fit testing of respirator models used on potential wearers, and training of the respirator users. The Respiratory Protection Train-the-Trainer program will prepare the attendee to coordinate the respiratory protection program, conduct the training, and perform both qualitative and quantitative fit testing.

Course Topics covered include:

- A review of OSHA's respiratory protection standard
- What conditions prohibit respirator use
- Respirator selection
- Proper use and care of respirator
- How to properly don and wear the respirator
- The importance of seal check
- Fit assessment procedures and exercises
- Medical evaluations

- Rationale behind fit testing
- Fit assessment
- Fit check and testing
- How to resolve fit problems

Audience

- Construction & General Industry personnel
- Safety, Health and Environmental Professionals
- Safety Committee Representatives
- Industrial Hygienist



OSHA 10 Hour Road and Bridge Building Construction

Course Credential: Course Completion Certificate

Course Duration: 1 ½ Days

Course Fees: \$295.00

Course Description:

Do you work in the roadway and bridge building industry? Are you preparing to enter this exciting construction Field? Then this course will increase your knowledge of OSHA's standard, 29 CFR 1926. Discover scope and definitions, general requirements, safety and health programs, and training. This is a 10-hour course and does not full-fulfill the training requirements to certify the student as a "competent person".

Target Audience: The program is intended for owners, state occupation safety and health, engineers, safety managers, supervisors, and workers in the road construction field. It is focused directly on the roadway hazards and situations that construction workers face every day, from work zones to night work

Learning Outcomes: Upon successful completion of this course, student will:

- Recognize reasons for and key benefits of focusing on safety and health issues as an integral part of their work activity
- Employ proactive approaches to construction safety and health efforts to gain a competitive advantage.
- Respond positively to Occupational Safety and Health Administration (OSHA) safety and health regulatory compliance issues that are specific to the roadway construction industry.
- Recognize the importance of identifying, controlling, and eliminating common construction hazards as a means of preventing death, injuries and illnesses.
- Meet the requirements of OSHA's 10-Hour Construction Safety and Health Outreach Program and receive an OSHA 10-Hour Construction Safety and Health Course completion card.

Certified Occupational Health & Safety Specialist (COHSS)

Course Credential: COHSS

Course Length: 4 Days

Course Fees: \$895.00

Course Introduction:

An occupational health and safety specialist works to prevent or decrease any type of injury or harm to people in the workplace. They typically examine a variety of work environments and ensure that safety regulations are being followed.

An occupational health and safety specialist can find employment in a variety of settings, including local, state and federal governments, hospitals and manufacturing. They can pursue a variety of job titles, such as industrial hygienist, health physicist and environmental protection specialist.

As these professionals test the safety of various work environments, they sometimes put themselves in dangerous situations and must take special precautions to prevent injury.

Learning Outcome:

By attending this course, Occupational Health and Safety Specialists will learn how to:

- Design effective safety, health and environmental program
- Analyze work environments and design programs to control and eliminate these hazards
- Learn to eliminate, and prevent disease or injury caused by chemical, physical, radiological, and biological, and biological agents or ergonomic factors that involve the impact of equipment design on a worker's comfort or fatigue.
- Learn how to conduct inspections and inform the management of a business which areas may not be in compliance with State and Federal laws or employer policies.
- Learn how to advise management on the cost and effectiveness of safety and health programs.

Audience

- Supervisors & Managers
- Safety, Health and Environmental Professionals
- Site Safety, Health and Environmental Committee Members
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Scaffold Competent Person Specialist

Course Credential: CSCPT

Course Length: 4 Days

Course Fees: \$995.00

Course Description:

Certified Scaffold Competent Person Specialist Training (CSCPT) course is available in all three major supported scaffold systems: frame scaffolds, systems scaffolds and tube and coupler scaffolds.

Program Objective

This program is for scaffold erectors and covers the safety aspects regarding scaffold foundations, scaffold components, regulations, guardrail requirements fall protection, scaffold stabilization and erection and dismantling procedures for scaffolds that exceed the height to base ratio.

Program Agenda

This course covers the following:

- Competent Person Responsibilities
- Hazard Recognition/Control
- Definitions
- Scaffold Types
- Scaffold Requirements
- Safe Practice Usage
- Fall Protection
- Training
- Inspections
- Emergency Response/Rescue
- Tube & Coupler Scaffolding

- Masonry Scaffolding
- Light Duty Plaster Scaffold
- Mobile Scaffolds

And More

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors
- Scaffold Builders & Inspectors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Solar Energy Specialist

Course Credential: CSES

Course Length: 5 Days

Course Fees: \$2195.00

Course Objectives:

This course presents occupational safety and health standards that apply to solar energy systems and installation safety. This course teaches students the basic skills they need to work in and installing Solar systems.

The primary objective is to ensure that students can comply with OSHA regulations and their location's policies regarding fall protection, control of hazardous energy and electrical safety.

Prerequisite: None

Required Texts:

OSHA Standards for General Industry (29 CFR Part 1910) current edition

OSHA Standards for Construction Industry (29 CFR 1926) current edition

Student Learning Outcomes

Upon the successful completion of this course students will be able to:

- Describe How Solar Power How It works
- Solar Construction Safety
- Medical & First Aid
- Fall Protection (Roofing)
- Personal Protective Equipment
- Solar PV Installations
- Lockout & Tagout
- Cranes & Rigging

- Electrical Safety
- Ladders & Scaffold Safety
- **Portable Power Tools and More**

Audience

- Construction Managers
- Supervisors & Managers
- Safety Supervisors & Safety Professionals
- Solar Installer, Builders & Inspectors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Tree Worker Safety Specialist Training (CTWSS)

Course Credential: CTWSS

Course Length: 5 Days

Course Fees: \$2295.00

Course Introduction: Workers in various industries and occupations are involved in the care and maintenance of trees, such as tree trimming, pruning, and removal. During 1992- 2007, a total of 1,285 workers died while performing tree care and maintenance; 44% were trimming or pruning a tree when fatally injured.

The most common causes of death were being struck by or against an object (42% of deaths), most commonly a tree or branch; falls to a lower level (34%); and electrocutions (14%). Most of the decedents (57%) worked for small establishments with 10 or fewer employees. Employers, trade and worker associations, and policymakers should take additional steps to improve the safety of workers involved in tree care, such as providing formal training to workers and ensuring that personal protective equipment (e.g., fall protection equipment) is used properly.

Climber candidates will be trained in each of the following required areas:

- Tree hazard assessment
- Basic equipment uses, care, and safety
- Rope and webbing characteristics and handling
- Task-specific knots
- 3-point climbing technique
- Descent system (friction knot, Figure-8, rappel rack, etc.)
- Rescue techniques
- General Personal Protective Equipment (PPE);
- Fall from heights;
- Use of aerial lifts and other heavy equipment;
- Work zone safety;
- Contact with down lines and live electrical equipment;

- Chain saws;
- Impact from debris and felled trees;
- Woodchippers;
- Hand and power tools;
- Noise; Improper ladder use;
- Contact with poisonous plants;



Certified Construction Safety Standards for Trenching and Shoring

Course Credential: CCTS

Course Length: 4 Days

Course Fees: \$795.00

Course Objectives:

The purpose of this training is to provide employees with information about the OSHA excavation standard.

NOTE: A COMPETENT PERSON IS REQUIRED ON EVERY TRENCHING AND EXCAVATION JOB SITE.

This class does not certify any attendee as a Competent Person, only the company itself can designate their own employee as a “Competent Person”. This class provides information regarding the OSHA standards and safety guidelines. It does not provide the significant work experience required to be considered a Competent Person.

What is a competent person?

29 CFR 1926 – SUBPART P TRENCHING AND EXCAVATIONS:

- Demonstrate correct soil testing procedures
- Identify hazards associated with trenching and excavations
- Understand the different types of protective systems
- Excavation regulations
- Confined Space
- Fall Protection
- Reference Articles from California Code of Regulations to include:
- Personal Safety Devices
- Haulage & Earth Moving
- Traffic Control, Flaggers, Barricades, and Warning Signs

- Work Over or Near Water
- Ladders
- Training on underground safety equipment:
- Trench Plates
- Hydraulic Shoring
- Trench Shields
- Checklists
- Other Protective Systems
- Permits

Audience

- Construction Managers
- Supervisors & Managers of Employees Who Work in Excavations & Trenches
- Safety Supervisors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Wind Power Energy Specialist

Course Credential: CWPES

Course Duration: 4 Days

Course Fees: \$995.00

Course Description:

This course will familiarize the student in the OSHA requirements that are related to the wind power generation industry. The wind energy industry is the fastest growing segment of renewable energy production. The U.S. and Canadian commercial wind farms are experiencing annual growth of 25%. Employers seek skilled safety & health professionals and technicians for operation and maintenance activities in local wind farm settings.

Learning Outcomes: Upon completion of this course the student will be able to:

- Locate OSHA Standards references applicable to specific Wind Power Generation Industry
- Locate American National Standards that relate to specific wind power Equipment and operations.
- Recognize and understand the following subjects
- Introduction To Wind Energy
- Wind Power How They work
- General Training Requirements
- Medical and First Aid
- Personal Protective Equipment
- Fall Protection
- Confined Spaces

- Fire Protection Lockout/Tagout
- Crane, Derrick and Hoist Safety
- Electrical Safety
- Machine Guarding

Audience

- Construction Managers
- Supervisors & Managers of Employees Who Install or Work on Wind Generation Systems
- Safety Supervisors
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Workplace Violence Prevention Specialist (CWVPS)

Course Credential: CWVPS

Course Duration: 2 Days

Course Fees: \$495.00

Certification: Violence Prevention Specialist (CWVPS)

Course Objectives:

Workplace violence is a serious issue that affects all business sectors and occupations and the safety and security of every employee and employer.

Topics include:

- What is workplace violence?
- Behavior associated with workplace violence
- Sources of violent behavior in the workplace
- Workplace violence prevention legislation

Upon completion of this course, you will know:

- Who is affected by workplace violence
- Workplace violence is an important workplace issue
- The broad definition of workplace violence with respect to the types of behaviors and the source of the behavior
- The legal obligation of employers must protect employees from workplace violence

Target Audience

- Committee members, managers, supervisors and workers
- Facility managers,
- Human resources managers,
- Senior managers
- And others with health and safety responsibilities

Certified Workplace Violence Prevention for Healthcare Workers

Course Credential: CWVP - Healthcare Workers

Course Duration: 2 Days

Course Fees: \$495.00

Certification: Violence Prevention Specialist (CWVP - Healthcare Workers)

Course Description

The purpose of this course is to help healthcare workers better understand the scope and nature of violence in the healthcare workplace. Participants will learn how to recognize the key elements of a comprehensive workplace violence prevention program, how organizational systems impact workplace violence, how to apply individual strategies, and develop skills for preventing and responding to workplace violence. Content is derived from content experts and from the OSHA 2004 Guidelines for Preventing Workplace Violence for Health Care & Social Service Workers (OSHA 3148-01R 2004

Course Objectives

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

- Identify institutional environmental and policy risk factors for workplace violence.
- Recognize behavioral warning signs of violence in individuals.
- Employ communication and teamwork skills to prevent and manage violence.
- Identify appropriate resources to support injured healthcare workers.
- Take steps to implement a comprehensive workplace violence prevention program.

Target Audience

The Workplace Violence Prevention for Healthcare Workers is intended for the following healthcare professionals who desire an introduction to workplace violence prevention strategies:

- Registered Nurses

- Nurse Practitioners
 - Physicians' assistants
 - Physicians
 - Veterinarians
 - Health Educators
 - Nursing students
 - Medical students
-
- Healthcare Safety, Health and Environmental Professionals

Prerequisites

There are no prerequisites for this course.



Certified Healthcare Safety, Health & Environmental Manager (CHSHEM)

Course Fees: \$1995.00

Course Duration: 5 Day's

Certification: Certified Healthcare Safety, Health & Environmental Manager Certification (CHSHEM)

Course Objectives: The Healthcare Safety, Health and Environmental Manager training and certification course is designed to help acute and long-term healthcare professionals enhance their knowledgebase and professional recognition in the field of hospital safety, health and environmental subjects

Recertification is required every three years.

Courses cover best practices in the following areas

- Emergency management
- Accident investigation
- Hazard recognition and analysis
- Industrial hygiene
- Environmental infection control
- Compliance with standards and regulations from the CDC, CMS, EPA, Joint Commission, OSHA, NFPA, and NRC

Topics also include:

- Patient Safety
- Bloodborne Pathogens
- Hospital Room Electrical Safety
- Ergonomics
- Back & Lifting Safety
- Hazard Communication
- Controlling Hazardous Materials
- Healthcare Inspections
- Lockout Tagout
- Egress/Fire Safety
- PPE
- Record Keeping

- Workplace Violence
- Walk/Work Surfaces

Course Composition:

- This is a stand-alone course with no additional components.
- **Course Prerequisites:**

There are no prerequisites for this course.

Audience

- Healthcare Professionals
- Safety, Health and Environmental Professionals
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Healthcare Patient Safety Manager (CHPSM)

Course Fees: \$1995.00

Course Duration: 5 Day's

Certification: Certified Healthcare Patient Safety Manager (CHPSM)

Course Introduction:

The major source of injury to healthcare workers is musculoskeletal disorders (MSDs). In 2010, nursing aides, orderlies, and attendants had the highest rates of MSDs. There were 27,020 cases, which equates to an incidence rate (IR) of 249 per 10,000 workers, more than seven times the average for all industries. In 2010, the average incidence rate for musculoskeletal disorder (MSD) cases with days away from work increased 4 percent, while the MSD incidence rate for nursing aides, orderlies, and attendants increased 10 percent.

How familiar are you with the concept of patient safety? Hundreds of thousands of patients are harmed or die each year due to unsafe care or get injured inadvertently when seeking health care. Understanding the magnitude of the problem in hospitals and primary care facilities is the first step towards improving patient safety.

Course Objectives:

This course covers injuries that are due in large part to overexertion related to repeated manual patient handling activities, often involving heavy manual lifting associated with transferring, and repositioning patients and working in extremely awkward postures. Some examples of patient handling tasks that may be identified as high-risk include transferring from toilet to chair, transferring from chair to bed, transferring from bathtub to chair, repositioning from side to side in bed, lifting a patient in bed, repositioning a patient in chair, or making a bed with a patient in it.

This course also introduces the science of safety, and how it relates to problems with patient safety in health care. It explains the role of both individuals and systems in improving patient safety. It reviews institutional responses to adverse events, including the topics of risk management and medical malpractice.

Topics also include:

- The importance of communication and teamwork.
- Students learn the basics of conducting an incident investigation,
- Gain an understanding of the advantages and limitations of error reporting,

- Learn how to disclose errors and adverse events and learn models for improving safety in hospitals and other health care organizations.
- Patient Safety
- Bloodborne Pathogens
- Ergonomics
- Back & Lifting Safety
- Workplace Violence
- Walk/Work Surfaces

Course Composition:

- This is a stand-alone course with no additional components.
- **Course Prerequisites:**

There are no prerequisites for this course.

Audience

- Healthcare Professionals
- Safety, Health and Environmental Professionals
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



Certified Life Safety Code 101 Manager Course

Course Fees: \$795.00

Course Duration: 4 Day's

Certification: Certified Life Safety Code 101 Manager (CLSCM)

Course Introduction:

The code includes different requirements for different types of buildings such as hotels, homes, and hospitals. It is designed for building managers, facility engineers, safety and health professionals, engineers, architects, building owners, and insurers.

This hands-on course will give you the knowledge that you need to apply the extensive *NFPA 101® Life Safety Code* with confidence. Gain a thorough understanding of *NFPA 101®* concepts and requirements for fire and life safety and their application to selected occupancies. Learn to prevent -- or identify and correct -- safety issues that could cause problems for your business

Course Objectives:

Learn and/or review the requirements that influence the safety of people and protection of property and equipment. The NFPA 101 Life Safety Code® is systematically revised on a three-year cycle (we are currently instructing on the 2012 cycle).

Topics also include:

- Intent and interpretation of the Code.
- Key provisions impacting your facility.
- Navigation skills for the Code book
- Measure travel distance. Calculate occupant load and egress capacity.
- Analyze code compliance. NFPA's Life Safety Code® (NFPA 101) General: Section 1-1 through Section 1-8
- Fundamental Requirements
- Definitions: Section 3-1 through Section 3-2:
- Classification of Occupancy and Hazard of Contents
- Means of Egress, Section 5-1 through Section 5-12
- Features of Fire Protection, Section 6-1 through Section 6-6

- Building Service and Fire Protection Equipment, Section 7-1 through Section 7-7
- Means of Egress Requirements, Protection, Special Provisions, Building Services, and Operating Features
- General Requirements, Small Facilities, Large Facilities, and Operating Features

Course Composition:

- This is a stand-alone course with no additional components.

Course Prerequisites:

- There are no prerequisites for this course.

Audience

- Fire & Building Inspectors
- Safety, Health and Environmental Professionals
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel



OSHA Noise & Hearing Conservation Standards for General Industry & Construction

Course Credential: Course Completion Certificate

Course Length: 2 Days

Course Fees: \$395.00

Course Overview:

Noise, or unwanted sound, is one of the most common health problems in American workplaces. The National Institute for Occupational Safety and Health (NIOSH) estimates that 30 million workers in the U.S. are exposed to hazardous noise. Exposure to high levels of noise may cause hearing loss, create physical and psychological stress, reduce productivity, interfere with communication, and contribute to accidents and injuries by making it difficult to hear warning signals.

OSHA requires employers to determine if workers are exposed to excessive noise in the workplace. If so, the employers must implement feasible engineering or administrative controls to eliminate or reduce hazardous levels of noise. Where controls are not sufficient, employers must implement an effective hearing conservation program.

Course Description:

This course covers the evaluation and reduction of noise hazards in general industry and the construction industry. Course topics include OSHA General Industry and Construction Noise Standards, properties of sound, noise-induced hearing loss, noise exposure control, selection and use of hearing protection, conducting sound level surveys, and worker training. Classroom demonstrations of noise instrumentation and hearing protection devices are featured.

Program Objective:

This program is for employees who use hearing protection while performing work in the General Industry or Construction field. The target audience is the construction employer or representative designated with the responsibility to develop a construction noise program. Upon course completion students will understand the properties of sound and its relationship to noise-induced hearing loss, hearing protection usage, how to conduct sound level surveys and the

requirements for training workers.

Topics Covered:

- Overview of OSHA 1910 & 1926 Noise Standards
- What is considered "noise" and what are the potential health effects?
- What standards limit and control noise exposure?
- How do I evaluate noise exposure?
- What constitutes an effective hearing conservation program?

Course Composition:

- This is a stand-alone course with no additional components.

Course Prerequisites:

- There are no prerequisites for this course.

Audience

- Safety, Health and Environmental Professionals
- Training Managers
- Industrial Hygienists
- Individuals associated with federal agency collateral duty safety and health personnel

