



Certified Construction Safety & Health Manager (CCSHM™)

Course Length: Five Days

Professional Credential: Certified Construction Safety & Health Manager (CCSHM™)

Course Fees: \$1295.00

Continuing Education Units:

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

Introduction;

Are you ready to take your construction career to new heights? Our certified construction safety and health manager course is not just a course; it's a comprehensive journey that will equip you with the practical knowledge and skills needed to ensure a safe and healthy work environment on construction sites. Join our comprehensive course and become an expert in identifying, evaluating, and controlling construction-

related hazards.

You will learn the latest safety regulations, risk assessment techniques, and best practices for creating and implementing effective safety programs. Whether you are a seasoned construction professional or looking to enter the field, this course will enhance your credentials and open up new opportunities in the industry. Invest in your career and sign up for our certified construction safety and health manager course today.

Course Objectives:

This 40-hour Construction Safety, Health & Environmental Managers (CCSHM™) course is designed for students aspiring to be construction, safety, health, or environmental managers. The Certified Construction Safety, Health and Environmental Manager (CCSHEM™) is key in implementing policy and contributing to general safety, health & environmental program quality. As a Senior Level Manager, they will report to the company President or Chief Executive Officer (CEO) and work with line managers on compliance, devices to install, methods and implementation. They may act as a go-between for front-line employees and the decision-makers in an advisory capacity or consulting.

Course Outcome

By the end of the course, participants will:

- Understand the fundamentals of risk management in construction
- Be familiar with OSHA regulations and other safety standards.
- Be capable of conducting risk assessments for construction tasks.
- Be knowledgeable in specific construction hazards and the necessary safety controls.

Topics Covered:

Day 1: Introduction to Construction Safety and Risk Management

Session 1: Introduction to Risk Management

- Overview of construction site hazards

- Importance of risk management in construction safety
- Key risk management terminologies

Session 2: Conducting Risk Management Assessments

- Techniques for identifying and assessing risks
- Steps in a risk management assessment
- Case studies in construction risk assessments

Session 3: OSHA & Risk Management Assessments

- Overview of Occupational Safety and Health Administration (OSHA) guidelines
- Role of OSHA in risk management assessments
- How to integrate OSHA standards into risk assessments

Session 4: Task Analysis and Risk Management

- What is task analysis?
 - Identifying hazards through task analysis
 - Mitigating risks in task planning and execution
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Day 2: Risk Management Codes, Standards, and Specific Hazards

Session 1: Codes/Standards for Risk Assessment

- Overview of risk management codes and standards (ANSI, NFPA, OSHA)
- Legal requirements for risk assessments

Session 2: Risk Management Process

- Detailed review of the risk management process
- Hazard identification and risk analysis techniques
- Implementing controls and monitoring

Session 3: Walking and Working Surfaces, Ladders, and Scaffolds

- Identifying hazards associated with walking/working surfaces
- Safety protocols for ladders and scaffolds

- OSHA standards and best practices for ladder and scaffold safety

Session 4: Fall Prevention & ANSI Z359 Standards, Subpart M

- Fall hazards in construction
 - Introduction to ANSI Z359 standards
 - OSHA Subpart M fall prevention requirements
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Day 3: Hazard Identification and Controls

Session 1: Introduction to OSHA Regulations

- Detailed review of OSHA construction regulations
- Common OSHA violations in construction

Session 2: Personal Protective Equipment (PPE)

- Types of PPE used in construction
- Selecting the appropriate PPE for specific tasks
- OSHA requirements for PPE usage

Session 3: Hazardous Atmospheres & Hydrogen Sulfide

- Identifying and assessing hazardous atmospheres
- Hydrogen Sulfide (H₂S) and its dangers
- Monitoring and controls for hazardous gases

Session 4: Global Harmonization System (GHS)

- Understanding GHS in the context of construction safety
- Hazard communication and safety data sheets (SDS)
- Labeling requirements for hazardous materials

Session 5: Fire Protection in Construction

- Fire hazards in construction sites
- Fire prevention techniques and equipment
- OSHA fire protection standards for construction

Day 4: Specific Construction Hazards and Controls

Session 1: Excavation & Trenching

- Hazards associated with excavation and trenching
- OSHA standards for excavation and trench safety
- Protective systems for excavation

Session 2: Materials Handling and Storage Hazards

- Safe handling and storage of construction materials
- Identifying potential hazards in material handling
- OSHA regulations for safe material handling

Session 3: Electrical Hazards & Lockout/Tagout (LOTO)

- Common electrical hazards in construction
- Lockout/Tagout procedures for controlling hazardous energy
- OSHA electrical safety standards

Session 4: Permit-Required Confined Spaces

- Identifying confined spaces and associated hazards
- Requirements for permit-required confined spaces
- Safe entry and emergency procedures

Session 5: Cranes, Rigging, and Welding Safety

- Hazards associated with cranes and rigging
- OSHA regulations for crane and rigging safety
- Welding hazards and best practices for protection

Session 6: Course Review and Final Assessment

- Recap of key topics covered during the course
- Q&A session
- Final assessment to evaluate participant understanding.

This course will be valuable for:

- Construction Personnel
- Safety, Health and Environmental Professionals,
- Safety & Health Committee Members
- Government Inspectors
- Construction Managers & Supervisors
- General Industry Personnel
- Safety & Health Professionals
- Training Managers
- Industrial Hygienists
- Environmental Professionals

Education:

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

Work Experience:

Three (3) years of experience where at least 30% of your work is directly related to working in safety, industrial hygiene, or the environment is performed in this field. Education cannot be substituted for work experience. Please note: This requirement is in addition to the expertise used instead of education.

Other Experience:

Documented GED / Apprentice Certificate Completion / On-The-Job / Skills Training / or AA / BSc / BA in safety management or similar field. Certificates in occupational health and safety from OSHA or an authorized OSHA Training Institute Education Center (OTIEC), NEBOSH, National Safety Institute, Military Specialty Ratings (ARMY, NAVY, Marines, Coast Guard, Air Force, Space Force, & Reserves,

National Guard, or similar training organizations from other countries will be considered.

Testing: Is Required:

- Online Examination (link provided by email)
- Number of questions: 100
- Format of questions: Multiple Choice / True & False
- Has a time limit of: 02:00:00
- Has a pass mark of 80%
- Is intended to be an open book

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

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

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

