



EXAMINATION BLUEPRINT

IASHEP - CSHET

Certified Safety Health Environmental Technician.

Domain 1

Management Systems & Controls - 30.0 %

Knowledge of:

1. Knowledge of global environmental and safety management systems to Include ISO14001 ISO 18001
2. Knowledge of industrial work processes, material handling techniques, and proper management of hazardous materials
3. Knowledge of health and safety controls and the surveillance of related safety measures and requirements.
4. Knowledge of management leadership programs
5. General knowledge of Laboratory and federal, state, and local laws, regulations, policies, and procedures pertaining to industrial hygiene/safety.
6. Knowledge of NSF, ANSI, AIHA and ASHRAE guides and standards.
7. Ability to research information sources for health effects data applicable to work operations (i.e., safety data sheets, regulations, standards, other agencies, and experts).
8. Knowledge of ergonomic principles and control measures.
9. Working knowledge of and/or possess the aptitude to learn National Fire Protection Association (NFPA) standards

Skill to:

1. Given a scenario, identify the key elements of a proactive safety, health & environmental program.
2. Given a scenario, identify accident causal factors
3. Given a scenario, identify actions to improve safety performances
4. Given a scenario, identify behaviors that impact worker safety
5. Given a scenario, identify supervisory actions that support safety, health and environmental policies and programs.



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Domain 2

Hazard Control, Abilities & Competencies - 30.0%

Knowledge of:

1. Hazard Identification (severity, probability of injury, statistics, hazard, and job task analysis).
2. Risk Analysis (Environmental, Health, Safety) processes
3. Identify accident prevention models
4. Developing resource goals and tracking systems
5. Identify difference between safety effectiveness and safety program efficiency.
6. Identify critical hazard control (safety, health, environmental) responsibilities
7. Identify ergonomic hazards in the workplace
8. Identify potential industrial hygiene hazards (contaminants, noise, air, water, biological, chemical, etc.,)

Skill to:

1. Given a scenario, develop an accident causal factor
2. Given a scenario, a plan that shows the basic elements of an effective safety, health, and environmental program
3. Given a scenario, develop a job safety analysis (JSA)
4. Given a scenario, develop a job task analysis (JTA)
5. Given a scenario, identify key elements of a good safety program.
6. Given a scenario, identify key elements of a good industrial hygiene program.
7. Given a scenario, identify key elements of a good environmental program.
8. Given a scenario, provide a written policy statement for management, subcontractors, and employees to provide consultation, communications, and support.
9. Given a scenario identify measures of controlling workplace hazards.



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Domain 3

Regulatory - 10%

Knowledge of:

1. Federal OSHA regulations
2. State Adopted OSHA Regulations
3. ANSI, NFPA, NEC and other national consensus standards
4. OSHA directives and interpretations
5. Knowledge of other regulatory agencies (FEMA, FAA, Corps of Engineers, etc.,)
6. Knowledge of building codes and life safety standards
7. Knowledge of emergency management procedures
8. Knowledge of human factors impacting safety.
9. Knowledge of workplace violence prevention strategies and program development

Skill to:

1. Communicate to Management and Others Regulatory Information
2. Understand Business Fundamentals
3. Conflict Resolution Between Company Standards and Regulatory Standards
4. Leadership will have excellent verbal communication skills. Duties include speaking with complainants, employers, state, and local agencies (including law enforcement)
5. The CEHSP will be required to evaluate and make recommendations on unusual problems.
6. Maintain current and accurate SDS files for all materials on site.



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Domain 4

Continuing Education / Qualifications – 10%

Qualifications

REQUIRED QUALIFICATIONS:

- A bachelor's degree in occupational safety and health, safety studies, natural science, business or public administration, education, or allied field.

AND

- Four years of professional experience in occupational safety, health, environmental programs.
- *Note: A master's degree in occupational safety and health, safety studies, natural science, business or public administration, education or allied field may be substituted for two years of the above professional work experience requirement.*

OR

- Equivalent education/experience. 5-7 years of construction management, occupational health and safety, engineering, or a related field experience.

OR

- Must possess a High School diploma or GED equivalency and a minimum of ten (10) years' experience in Construction Industry

Skill to:

1. Maintain Continuing Education / Recertification Qualification Points according to IASHEP Recertification Guidelines.



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NOTHING ELSE FOLLOWS

