

# CNST-1060: GENERAL INDUSTRY SAFETY AWARENESS

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## Cuyahoga Community College

**Viewing: CNST-1060 : General Industry Safety Awareness**

**Board of Trustees:**

May 2024

**Academic Term:**

Fall 2024

**Subject Code**

CNST - Construction Engineering Tech

**Course Number:**

1060

**Title:**

General Industry Safety Awareness

**Catalog Description:**

General Industry safety awareness covers the OSHA curriculum for the 10-hour Outreach Training program for General Industry Safety and Health. Topics include: an introduction to OSHA, fall protection, struck by, emergency action plan, electrical hazards, fire protection, material handling, equipment safety, Machine guarding, hazards communication, respiratory protection, lock-out-tag out, permit required confined spaces, and other applicable topics.

**Credit Hour(s):**

1

**Lab Hour(s):**

2

## Requisites

**Prerequisite and Corequisite**

None. Course may not be taken if student already has completed CNST-1760.

## Outcomes

**Course Outcome(s):**

Recognize industrial workplace hazards.

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Recognize the common physical, chemical, and biological hazards found in the general industry workplace.
2. Discuss processes for identifying types of personal protective equipment.
3. Describe emergency action plans.

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**Course Outcome(s):**

Indicate the key attributes of safety & health management systems and proper administration of safety & health programs.

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Describe training requirements for health safety programs.

2. Compute the costs associated with occupational injuries and illnesses and discern how to justify the cost of control measures.
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**Methods of Evaluation:**

1. Oral presentation of assigned work
2. Outside assignments
3. In-class quizzes
4. Comprehensive written final examination
5. In-class participation and group breakout sessions

**Course Content Outline:**

1. Overview and history of OSHA's general industry standards
  - a. Occupational Safety & Health Act
  - b. General Industry Standards, 29CFR1910
  - c. Worker and employer rights and responsibilities
2. Strategies for promoting health and safety in the workplace
  - a. Walking and Working surfaces
  - b. Exit Routes and Emergency Action Plans
  - c. Electrical safety introduction
  - d. Personal Protective equipment
  - e. Hazard Communications
  - f. Elective/optional topics (such as Hazardous Materials, machine guarding, bloodborne pathogens, fall protection, etc.)

**Resources Other**

- Interactive Learning Paradigms, Inc. Material Safety Data Sheet (MSDS)  
Search Web Page, [www.ilpi.com/msds/](http://www.ilpi.com/msds/) (<http://www.ilpi.com/msds/>)
- FEMA Resource Center (2021) <https://training.fema.gov/>
- National Safety Compliance YouTube Channel (2022) <https://www.youtube.com/c/oshasafetytraining> (<https://www.youtube.com/c/oshasafetytraining/>)
- OSHA General Industry Resources Page (2023) <https://www.osha.gov/general-industry> (<https://www.osha.gov/general-industry/>)

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