

# BI 0805 - INTRODUCTION TO INDUSTRY AND OCCUPATIONAL SAFETY FOR THE BUILDING TRADE

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## Catalog Description

Formerly known as CET 805

Hours: 28 (24 lecture, 4 laboratory)

Description: Provides an introduction to the building trades as an occupation. Covers a variety of construction safety and health hazards workers may encounter. Provides safety information to construction workers about employee and employer rights and responsibilities. Emphasizes identification, avoidance, abatement, control, and prevention of job-related hazards on construction sites. Upon successful completion, 10 hour OSHA card issued by instructor. (pass/no pass grading) (noncredit)

## Course Student Learning Outcomes

- CSLO #1: Describe the importance of OSHA.
- CSLO #2: Outline the OSHA 10 certification requirements.
- CSLO #3: Describe major hazards associated with the construction industry.

## Effective Term

Fall 2020

## Course Type

Noncredit

## Contact Hours

28

## Outside of Class Hours

48

## Total Student Learning Hours

72

## Course Objectives

Lecture Objectives:

1. Describe the training requirements and critical roles within the construction industry
2. Explain why OSHA is important to workers
3. Explain employer rights under OSHA
4. Discuss the employer responsibilities under OSHA
5. Discuss the use of OSHA standards
6. Explain how OSHA inspections are conducted
7. Identify major hazards
8. Describe types of hazards
9. Explain how to protect from hazards
10. Utilize helpful worker safety and health resources
11. Recognize employer requirements to protect workers from hazards

Laboratory:

1. Demonstrate use of safety equipment.

## General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

## Articulation Information

- Not Transferable

## Methods of Evaluation

- Problem Solving Examinations
  - Example: Students will post images of "suspected" safety issues via the Learning Management System (LMS) for class discussion. The grading is determined by a grading rubric based on relevance to course content.
- Skill Demonstrations
  - Example: Students will demonstrate the correct and safe technique on how to inspect safety equipment for common failures.

## Repeatable

Yes

## Methods of Instruction

- Laboratory
- Lecture/Discussion

Lab:

1. Lab techniques will be presented in a "describe / show / review" methodology. Instructor will demonstrate how to apply a full-body harness as part of a Personal Fall Arrest System (PFAS). Instructor will work with students until they can properly and safely put on a full-body harness with 100% success rate.

Lecture:

1. Instructor will lecture on the importance of worker safety and health resources. The student will be given an opportunity to clarify any questions in an instructor-guided discussion.

## Typical Out of Class Assignments Reading Assignments

1. Read OSHA case studies and list alternative methods to prevent illnesses and injuries. 2. Read OSHA standards for Fall Protection.

## Writing, Problem Solving or Performance

1. Students will write a summary of how an employee can protect themselves from common construction hazards. 2. Students will create a list the employer responsibilities.

**Other (Term projects, research papers, portfolios, etc.)**

**Required Materials**

**Other materials and-or supplies required of students that contribute to the cost of the course.**

Course Materials provided by the Instructor.