**COURSE OUTLINE**
**CET 101 OSHA 30 GENERAL INDUSTRY (CET)**
**2 CREDIT HOURS**

**Course Description**
The OSHA 30 training program is intended training for supervisors and employees alike. The program increases trainee knowledge about workplace hazards, their rights as employees and their contribution to the workforce. This course will offer specific application of OSHA 30 to critical environments.

**Prerequisite**
None

**Purpose of Course**
By completing OSHA 30 General Industry the trainee will become certified in multiple aspects of safety, including, but not limited to 1910 general industry regulations, health hazard recognition, hazard communication. The course will be no less than 30 seated hours and will not exceed 7 hours per day.

**Required Materials**
None

**Learning Outcomes and Competencies**

1. **Explain the intent of OSHA training.**
    a. Cite OSHA's employee rights and the responsibilities of employer.
    b. Relate OSHA employee rights to unique security requirements of critical environments.
2. **Discuss OSHA Inspections and Procedures.**
    a. Explain the areas and topics of the OSHA inspection process.
3. **Practice OSHA Compliant Hazard Communication.**
    a. Give an example of the use of OSHA's HAZCOM program.
4. **Practice OSHA Compliant Recordkeeping.**
    a. Outline the responsibility of the employer regarding written documentation of safety.
5. **Discuss Health Hazards of Critical Environments**
    a. Recall the process of hazard recognition and resolution.
    b. Define bloodborne pathogens and state safety procedures for working with them.
    c. Contrast bloodborne pathogen safety with industrial hygiene.
    d. Suggest different pieces of safety equipment needed for various critical environments.
6. **Explain the hazards of common walking and working Surfaces.**
    a. Identify fall hazards and prevention methods.
    b. Extrapolate from facility design what fall hazards would be unique to critical environments.
7. **Demonstrate safe work within confined spaces.**
    a. State the method of inspection required for safe confined space work.
    b. List special safety procedures necessary for critical environments.
    c. Differentiate between permit and non-permit requirements for confined space inspections.
8. **Practice good ergonomics and material handling**

a. Describe proper lifting, stacking, and storing techniques.
b. Identify exceptions within critical environments to common material handling procedures, and state recommended procedures.

9. **Describe why some electrical hazards require the Lock Out Tag Out procedure.**
    a. Give examples of proper electrical and power-source safety procedures.
    b. Determine lockout/tag out situations in critical environments that require involvement by the Safety Officer.
10. **Describe common biological, chemical, and radiological hazards found in critical environments.**
    a. List three general ways to reduce risk after identifying a hazard.
    b. Discriminate correct disposal procedures of biological, chemical and radiological waste.
11. **Describe emergency protocols acceptable to critical environments.**
    a. Outline the hierarchy of responsible employees in a critical environment regarding safety.
    b. Interpret basic principles of emergency management.
    c. State and explain procedures for common emergencies.
    d. Create a list of those who coordinate to write an emergency SOP.
    e. Analyze the effect of emergency protocols on the work being done within a critical environment.
12. **Discuss fire protection including exit routes and PPE.**
    a. Demonstrate proper donning and doffing for containment environments.
    b. Diagram unique design features and security requirements of critical environments that affect exit routes.
    c. Create an inspection plan of the emergency exits of industrial and critical environments.
    d. Discuss local Fire codes, extensions and exceptions for critical environments.
13. **Discuss the use of non-OSHA regulatory guidelines used to direct safety policy and procedures.**
    a. Discuss the application of EPA guidelines to critical environments.
    b. Discuss the application of the Biosafety in Microbiological and Biomedical Laboratories to critical environments.
    c. Explain the use of ANSI guidelines and standards within critical environments.

**Written and Performance Competencies**
Written and performance tasks will be given to achieve all required outcomes.

**Learning Units**

I. **Introduction to OSHA**
II. **OSHA Inspections and Procedures**
III. **Hazard Communication**
IV. **Recordkeeping**
V. **Health Hazards / Managing Safety**
VI. **Walking and Working Surfaces**
VII. **Confined Space**
VIII. **Ergonomics/Material Handling**
IX. **Electrical Hazards/Lock Out Tag Out**
X. **Biological, Chemical, Radiological Hazards**
XI. **Emergency Protocols**

**XII. Exit routes and Fire Protection/PPE**
**XIII. Regulatory Topics**

**Method of Delivery**
Activities will be in a classroom/online, all trainees are required to sign in every day of training. Power points, lectures, lab work, and teamwork scenarios will be the basis of outcome delivery.

**Method of Grading and Evaluation**
A final exam will be given to trainees. (Trainee must pass with a grade of 75% or higher.)