



Center for Energy Workforce Development – Safety in the Workplace

Recommended for Grades 9-12

For all Modules, sign in with email cewd1@nterhost.com and use password: Cewd1#11

Module 1: Regulatory/Procedures/Security

Curriculum Source: [Energy Industry Fundamentals, Module 2, Unit A](#)

Describe the varying roles of federal, state, and local agencies.

1. Explain the importance of compliance with standards, regulations, and established procedures.
2. Describe basic procedural guidelines that promote safe and effective operations for the protection of people, data, property, employees, and institutions.
3. Explain the roles and responsibilities of the employers, employees, and the general public in creating and maintaining a culture of workplace safety.

MODULE 2: Preparing for Hazards in the Workplace

Curriculum Source: [Energy Industry Fundamentals, Module 2, Unit B](#)

Describe the threats created by deviation from safety procedure and the improper use of tools.

1. Explain how to keep personal protective equipment (PPE) in working order.
2. Explain why to use safety equipment.
3. Describe the need to use tools and equipment in compliance with user manuals and safety training.

MODULE 3: Hazards and Responses

Curriculum Source: [Energy Industry Fundamentals, Module 2, Unit C](#)

Evaluate changes in the environment with respect to their impact on safety to self and others.

1. Explain how to keep personal protective equipment (PPE) in working order.
2. Describe the need to use tools and equipment in compliance with user manuals and safety training.



MODULE 4: Personal Protective Equipment (PPE) 3D Simulator

Curriculum Source: [Energy Industry Fundamentals, Module 2, Unit D](#)

Explain how to select the correct personal protective equipment (PPE) to perform electrical work on various voltage rated systems/components.

1. Apply hazardous awareness to assess the environmental conditions, adopt safety procedures and tools to identify and select PPE for performing electric work.