

## OSHA 2003 Introduction to Occupational Safety and Health

**Catalog Description:** This is an introductory course that explores concepts, theories, and practical applications of occupational safety and health issues. This course is designed to give the students a broad overview of the knowledge important to workplace safety and health in a variety of occupations, with an introduction to federal regulations.

**Prerequisite:** There are no prerequisites for the course.

**Credit / Contact / Load Hours:** 3/3/3

**Target Audience & Transfer:** Successful completion of this course should prepare students for successful further study in environmental and regulatory science. This is a required course for the Certificate of Proficiency in Safety and Health, the Technical Certificate in Environmental & Regulatory Science, and the Environmental & Regulatory Science AAS Degree.

**Student Learning Outcomes:** Students completing this course will be able to

- Identify laws and regulations peculiar to the safety and health field.
- Evaluate and appraise the human element in the safety and health arena.
- Choose hazard assessment tools to guide in preventing and controlling hazards in the workplace.
- Describe aspects of quality safety and health management programs.

### Topics:

- Occupational Health and Safety
- Safety and Health Movement
- Accidents and Their Effects
- Theories of Accident Causation
- The OSH Act, Standards, and Liability
- Workers' Compensation
- Ergonomic Hazards
- Stress and Safety
- Mechanical Hazards and Machine Safeguarding
- Falling, Impact, Acceleration, Lifting, and Vision Hazards
- Hazards of Temperature Extremes
- Electric Hazards
- Fire Hazards and Life Safety
- Industrial Hygiene
- Noise and Vibration Hazards
- Safety and Health Training

