

€ TRAINING

Industrial Hygiene



23 - 27 February 2025
Cairo (Egypt)



Industrial Hygiene

REF: S442 DATE: 23 - 27 February 2025 Venue: Cairo (Egypt) - Fee: 4095 Euro

Introduction:

This training program is a comprehensive initiative focused on promoting workplace health and safety by identifying and mitigating hazards. It empowers professionals to create and maintain safe working environments while adhering to regulatory standards and promoting employee well-being.

Program Objectives:

At the end of this program, participants will be able to:

- Understand and apply industrial hygiene concepts effectively.
- Perform hazard identification tasks proficiently.
- Obtain an in-depth understanding of various topics within industrial hygiene.
- Learn about different types of occupational diseases and illness conditions.
- Master the skills needed to anticipate, recognize, evaluate, communicate, and control workplace conditions.

Targeted Audience:

- Occupational health and safety professionals.
- Industrial hygiene specialists.
- Workplace safety officers.
- Environmental health professionals.
- Human resources personnel responsible for employee health and safety.
- Managers and supervisors overseeing workplace operations.

Program Outlines:

Unit 1:

Introduction to Industrial Hygiene:

- What is industrial hygiene?
- Industrial hygiene management systems.

- Occupational exposure standards.
- Overview of the types of health risks.
- Occupational diseases and illness conditions.

Unit 2:

Understanding Health Risks:

- The human system.
- Methods of identifying health risks.
- Biological risks, Chemical risks, Physical risks.
- Radiation risks ionizing and non-ionizing.

Unit 3:

Industrial Toxicology:

- Exposure routes of hazardous substances.
- Health effects and classification of hazardous substances.
- Toxic, Irritant, Asphyxiant, and Anesthetic.
- Hepatotoxic agents, Nephrotoxic agents, Neurotoxic agents.
- Blood damaging agents, Lung damaging agents.

Unit 4:

Measuring and Evaluating Health Risks:

- Recognition of potential health risks.
- A sampling of gases, vapors, and particulates.
- Walk-through surveys.
- Health surveillance programs, Health risk assessment reviews.
- Methods of controlling health risks.
- Determining health risk control methods.

Unit 5:

Monitoring & Recording Health Risk Controls:

- Biological monitoring and medical surveillance.
- Hearing conservation programs.
- Occupational diseases and illness condition prevention programs.
- Learning from incidents of ill health.
- Step-by-step guide for managing health risks.