



TRAINING PROGRAM



The Laboratory Safety Guidelines

Introduction:

This course explains safe lab to minimize the risk of spills and chemical exposures. Laboratories involve many chemicals, procedures, and operations that require specific safety precautions. The course provides information about health hazards present within a laboratory and explains safe lab to minimize the risk of spills and chemical or exposure, to work in laboratory you have to know the safety requirements, so this Course provides some guidelines for you to be ensure that your safety equipment and requirements at laboratory is properly and safely.

Who Should Attend?

This course is designed for laboratory managers, supervisors, technologists, chemists, technicians, health & safety professionals, and laboratory workers

Methodology:

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

Certificate:

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration

Course Objectives:

Upon completion of the course, attendees will have an understanding of the critical components of a good laboratory safety program. Participants will become familiar with the skills necessary to create a "safety culture"

Course Outline:

- Definitions
- Safety Responsibilities
- The Health and Safety Principles
- Laboratory Safety Orientation
- Laboratory and Safety rules
- Personal Protective Equipment
- Working at laboratory
- Handling samples in Laboratory

- Handling Chemicals in Laboratory
- Handling Glassware and Equipment in Laboratory
- Storage Chemicals and Glassware in Laboratory
- Laboratory Ventilation and Fume Hoods
- Safety Requirement
- Control of Chemical Hazards
- Laboratory waste
 - Chemical waste
 - Radioactive waste
 - Biological waste
 - Sharps and Broken glassware
- First aid
- Accidents and injuries
- Gas leaks
- Fires
- Regulatory Requirements
 - Training
 - Labeling
 - Material Safety Data Sheets (MSDS)
- Understanding hazard warning information
 - Symbols
 - Risk and Safety Statements
 - R/S phrases
- International Chemical Safety Cards
- Right-To-Know Wallet Cards RTK Safety
 - NFPA
 - chemical safety labeling