



TRAINING PROGRAM



International Guidelines & Standards For A Safe Laboratory

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 ensure that your safety equipment and requirements at laboratory is organized and used properly and safely.

Who Should Attend?

Lab Managers and Supervisors, Chemists and Technicians, Health & Safety and Environmental Professionals, staff responsible for managing hazardous wastes, Laboratory Technicians, Technologists, Analytical Laboratory Professionals, Laboratory Staff, Superintendents, Supervisors, Engineers, Chemists and Analysts, Auditors, anyone working in any analytical laboratory, Chemical Engineers, Health & Safety Professionals Instrument Engineers and Supervisors who work in laboratory

Course Objectives:

By the end of this course delegates will be able to:

- Have an understanding of the critical components of a good laboratory safety program
- 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
- Labelling

- 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 labelling