



## LABORATORY SAFETY TRAINING – INTRODUCTORY COURSE

The Introduction to Laboratory Safety course has been designed for all personnel who work in a laboratory setting, including students, lab employees (administrative, support and maintenance), or post-graduate students. By completing this course, new laboratory personnel will gain the necessary tools to become responsible for their own safety, as well as realizing the impact that their actions can have on those around them.

The course includes the following topics:

- General Laboratory Safety Overview
- Occupational Health & Safety – Due Diligence and the Laboratory setting
- Introduction to Laboratory Safety
  - ✓ General Best Practices
  - ✓ Fire Extinguishers – Classes & usage
  - ✓ General Fire Safety
  - ✓ Planning for Emergencies
  - ✓ Safety Showers & Eye Washes
  - ✓ Housekeeping, Chemical Storage & Waste Disposal
- Laboratory Hazards
  - ✓ Typical Laboratory Hazards - An Overview
  - ✓ Chemical Hazards – Classes & Health Effects
  - ✓ Preventing contamination in the laboratory
  - ✓ Routes and types of exposures
  - ✓ MSDS Sheets – An overview
  - ✓ General chemical handling and storage
  - ✓ Chemical Hygiene Plans
- Laboratory Physical Hazards
  - ✓ Prevalent injury statistics regarding lab workers
  - ✓ Overview of physical hazards
  - ✓ Compressed gasses
  - ✓ Electrical Equipment & Shock emergencies
  - ✓ Safe glassware handling
  - ✓ Sharps
  - ✓ Thermal hazards
  - ✓ Heating hazards
  - ✓ Proper laboratory dress and Personal Protective Equipment (PPE)

- Job Hazard Analysis Overview
    - ✓ Engineering controls
    - ✓ Lab Hoods – Fume, Glove Boxes & Biological Cabinets
  - Planning for new Equipment
  - Summary & Questions
- Completion of this course does not certify individuals to work unsupervised with biohazards, radioactive materials or hazardous chemicals. To work with these hazards independently, persons should complete the appropriate hazard specific course.

Upon completion of this course each attendee will receive a certificate of completion.

**For further information, please feel free to contact us (902) 835-3727 or visit our web site: [www.toalltech.com](http://www.toalltech.com)**