

Program Categories	Laboratory Responsibilities and Tasks	TRAINING COURSES									
		PI EHS Responsibilities	Lab Safety Orientation	Lab Hazardous Waste Mgt	DEA Controlled Substances	Biosafety	Bloodborne Pathogens	Radiation Safety	X-Ray Safety	Laser Safety	
Training Frequency		annual	annual	annual	annual	every two yrs	annual	annual	annual	every two yrs	
General Lab Safety Chemical Safety	Principal Investigator or Lab Supervisor	x	x								
	Exposed to hazardous chemicals		x								
	Reactives, Pyrophorics, or toxins		x								
	Work with and dispose of hazardous wastes		x	x							
	Work with controlled substances		x		x						
Biological Safety	Work with biohazardous materials or recombinant DNA		x			x					
	Work with blood or infectious agents		x			x	x				
	Work with syringes on human subjects		x				x				
Radiation Safety Laser Safety	Work or exposed to radioactive materials		x					x			
	Use X-ray equipment		x						x		
	Use class 3B or 4 lasers		x							x	
Animal Use and Care	Have direct contact with live vertebrate animals		x								
	Perform procedures requiring aseptic technique		x								

Course Descriptions

Principal Investigators/Lab Supervisors EHS Requirements: This covers the roles and responsibilities of PI's and Lab Supervisors in maintaining a safe and environmentally sound lab. The course is offered in the training tab online.

Laboratory Safety Orientation: This **web-based training** is required for laboratory workers in labs with government agency funding. Provides an introduction to safe practices in the chemical lab environment. Includes basic safety, identifying hazards, exposure controls, hazardous materials, electrical safety, fire safety, and emergency procedures.

Lab Hazardous Waste Management: This training is required for labs that use hazardous chemicals and receive federal funding. Provides an introduction to the Resource Conservation and Recovery Act and its application in the university lab environment. Includes hazardous waste determination, labeling, storing, treating, and disposal procedures for hazardous waste at UAH. Annual updates are web-based.

Controlled Substances: Web-based training covers the DEA requirements for the use of controlled substances. Topics include introduction, storage site controls and security, orders/delivery/receipt, use logs and biennial inventory, transfers/imports/exports, disposal, diversion and loss reporting, and illicit activities and repercussions.

Biosafety: Web based-training covers the NIH requirements for the proper handling of microorganisms in teaching and research, recombinant DNA, and work conducted in a microbiological laboratory.

Bloodborne Pathogens: This **web-based training** reviews the NIH requirements for the use of potentially infectious and infectious organisms in research labs. Bloodborne pathogens standard, epidemiology and symptoms, modes of transmission, exposure control plan, tasks and activities, methods of compliance, PPE selection, PPE decontamination and disposal, Hepatitis B vaccination, emergency procedures, exposures, post-exposure evaluation and follow-up, signs and labels, and waste management will be covered.

Introduction to Radiological Safety: This **web-based training** is required for new users of radioactive materials by the Alabama Department of Public Health. Topics include ionizing radiation, ALARA, surveys, security and inventory control, waste management, records, and rules.

X-Ray Safety: This **web-based training** is required by the ADPH for users of X-ray instrumentation. It provides an overview of X-ray producing equipment, including characteristics of X-radiation, units of dose and quantity of radioactivity, significance of radiation dose, levels of radiation from sources of radiation, and methods of controlling radiation dose.

Laser safety: Training is required because of the hazards associated with the use of nonionizing radiation. Training covers the safe use Class IIIB and Class IV lasers. Topics include introduction, hazards (biological and non-beam), engineering controls, administrative controls, work practices, and personal protective equipment (PPE).

Training support: Please contact us for additional resources or with questions regarding safety training requirements at www.uah.edu/oehs or (256) 824-6053.