



Required Training for Laboratory Personnel

(Principal investigators, research assistants, postdocs, graduate and undergraduate students, etc.)

	Course Title	Training is Required if You:	Frequency	Training Format
Laboratory and Chemical Safety	Chemical Hygiene	Work in a research laboratory where chemicals are present	One time	Online
	New Laboratory Researcher	Work in a research laboratory or will be a teaching assistant in a laboratory class	One time	Classroom
	New Laboratory Researcher for Undergraduates	Work in a research laboratory as an undergraduate or high school student	One time	Classroom
	Laboratory Exposure Controls	Work in a research laboratory	One time	Online
	Laboratory Teaching Assistant	Will be a teaching assistant in a laboratory class	One time	Online
	Laboratory Specific Safety Orientation	Work in a research laboratory		Provided by PI or Designee in Lab
Biological Safety	Animal Biosafety Level 2	Work with animals in BSL2 laboratory settings	Every 3 years	Classroom & Online
	Principles and Practices of Biosafety Training	Work with biological research materials, including but not limited to: human, plant or animal pathogens, human or NHP blood or unfixed materials, and recombinant or synthetic genomic materials	Annual	Online
	NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules	NIH Guidelines - Work with recombinant or synthetic DNA or RNA, or any other genetically modified materials (including plants/animals)	One time	Online
	Dual Use Research of Concern	Work with materials that have a potential to be misapplied to threaten public health or national security	One time	Online
	Shipping Infectious Substances and Dry Ice	Transport or ship infectious substances and other biological materials	Every 2 years	Classroom
Radiation Safety	Radiation Safety for Radioactive Materials (Parts 1 and 2)	Work with radioactive materials, or work in or frequent restricted areas where radioactive materials are used and stored	One time	Online & Classroom
	Radiation Safety Refresher	Work with radioactive materials	Biennial	Online
	X-Ray Devices (Parts 1 and 2)	Work with equipment that produces x-rays	One time	Online & Classroom
	Use of Particle Accelerators	Work with particle accelerators	One time	Classroom
	Laser Safety	Work with Class 3B and Class 4 lasers	One time	Classroom
Waste	Hazardous Waste Generator	Generate hazardous waste (chemical, biological and radioactive)	Annual	Online
	Biohazard Waste Disposal	Generate infectious waste	One time	Online
	Radioactive Waste Generator	Generate radioactive waste	Annual	Online
Other Safety Topics	The following training programs are sometimes applicable to research labs. Contact ESSR for more information about these programs.			
	Diving Safety	Perform Scientific Diving	One time	Classroom
	Cylinder HazMat and Fill Station Technician	Perform Cylinder Handling, Transporting, or Filling (Scientific Diving)	One time	Online
	Respiratory Protection	Wear a respirator	Annual	Online and Classroom
	Crane and Hoist Safety	Use a Crane or Hoist	One time	Online

All training is provided by the Department of Environmental Safety, Sustainability, and Risk (ESSR) unless noted otherwise. Additional training may be required based on the activities performed in your lab. Contact ESSR at 301-405-3960 or labsafety@umd.edu for additional information. Register for training at www.essr.umd.edu/training.