

Training Needs Assessment Activities and Requirements

The following table shows the training and other requirements associated with the activities in the first column.

Activity If you...	Requirement You must do...	Schedule
Group 1 - Chemical Safety		
1. Use potentially hazardous chemicals in a laboratory (this includes even common chemicals such as oil, solvents, paints, alcohol, acetone, etc.)	100w or 100c General Chemical Hygiene 1.5 hr	Every two weeks
	110c Lab Specific Chemical Hygiene (required annually)	
	111s Signature: I have read the Chem. Hygiene Plan	
	501w or 501c Managing Hazardous Waste (required annually) 1.0 hr.	Every two weeks
2. Supervise those who use potentially hazardous chemicals in a laboratory (i.e., PI/supervisor)	100w or 100c General Chemical Hygiene	
	110c Lab Specific Chemical Hygiene (required annually)	
	111s Signature: I have read the Chem. Hygiene Plan	
	501w or 501c Managing Hazardous Waste (required annually)	
3. Use potentially hazardous chemicals in a work place other than a laboratory	120c or 120w General Hazard Communication 1.5 hr	Prebook
	121c Work Area Specific Hazard Comm. Training (required annually)	
	501w or 501c Managing Hazardous Waste (required annually)	
4. Supervise those who use potentially hazardous chemicals in a workplace other than a laboratory (i.e., PI/supervisor)	123c Hazard Comm Training for Supervisors 1.5 hr.	
	122s Signature: I have read MIT Hazard Communication Plan	
	501w or 501c Managing Hazardous Waste (required annually)	
5. Use oil from a single container or reservoir in quantities greater than 55 gallons	510w or 510c Oil Spill Prevention and Water Pollution Control (required annually) 1.0 hr	Prebook
6. Use hydrofluoric acid	130c Hydrofluoric Acid Training 0.5 hr	Every two weeks
7. Use a respirator	131r Respirator Program: MIT Program Registration	
8. Ship or prepare to ship potentially hazardous chemicals	251c Shipping Hazardous Chemicals 1.0 hr	Prebook

Group 2 - Biological Safety and Blood-borne Pathogens

9. Perform research with human blood or body fluids, human cells, or human cell lines	200c Bloodborne Pathogens and Biosafety Training for Researchers 1.5 hr. (205c annual refresher 0.5 hr)	Every two weeks
	208m BBP-Hepatitis Information Form	
10. Perform research with human blood borne pathogens HIV or HBV (excludes gene transfer vectors)	200c Bloodborne Pathogens and Biosafety Training for Researchers (205c annual refresher)	Every two weeks
	208m BBP-Hepatitis Information Form	
	221c BL2+ (Biosafety Level 2 plus) Training 1.0 hr	Prebook
11. Give first aid as a job duty, provide other medical treatment, work with patients, or handle patient samples	208m BBP- Hepatitis Information form	
	203c Blood-borne Pathogen Training for Medical & CRC 1.0 hr (207c annual refresher, 0.5 hr)	Prebook
12. Ship or prepare to ship infectious agents (human or animal), genetically modified organisms, human specimens, blood, clinical or diagnostic specimens, or toxins	250c Shipping Biohazardous Materials 6.0 hr	Prebook
13. Conduct research or work in lab designated by MIT Biosafety Program as Biosafety level 2 plus	220s Signature: I have read Lab's BL2+ manual	
	221c BL2+ Training (1.0 hr)	Prebook
14. Handle BL1, BL2 or recombinant DNA/RNA microorganisms	260c General Biosafety for Researchers 1.0 hr	Every two weeks
15. Enter biological research labs to provide maintenance or service, or handle materials, equipment, etc., from biological labs as a non-researcher.	261c Biosafety Awareness for Non-researchers 1.0 hr	Prebook

Group 3—Ionizing Radiation Sources: Radioactive Materials; Radiation Producing Equipment

16. Use radioactive materials	301c Radiation Safety: Laboratory 3.0 hrs.	Sept, Oct every two weeks, then every week
17. Supervise a laboratory authorized to possess and use radioactive materials	301c Radiation Safety: Laboratory 3.0 hrs.	
	304c PI of a Radioactive Materials Authorization	
18. Use sealed sources of radioactivity	301c Radioactive Materials Safety, 3.0 hrs	
19. Use gammacell irradiator	301c Radiation Safety: Laboratory	
	341c Gammacell Irradiator Safety—G40-CCR 1.0 hr	Prebook
	342c Gammacell Irradiator Safety—G220-BIO 1.0 hr	Prebook
	343c Gammacell Irradiator Safety—G220-BE 1.0 hr	Prebook
20. Use unbound radioiodine/iodination	301c Radioactive Materials Safety	
	351c Iodination Safety 2.0 hrs	Prebook
	352m Thyroid Monitoring: Baseline	Prebook
	354m Dosimetry Assignment	
21. Use high activity sources of radiation	301c Radiation Safety: Laboratory 3.0 hrs	
	353c High Activity Source Safety	Prebook
22. Use accelerators	365c Accelerator Safety 1.5 hrs	Prebook
23. Use x-ray equipment	361c X-Ray Safety: Analytical / Industrial 1.5 hrs	Prebook
24. Use medical and/or dental x-ray equipment	354m Dosimetry Assignment	
	362c X-Ray Safety: Medical/Dental 0.5 hr	Prebook
25. Use veterinary x-ray equipment	354m Dosimetry Assignment	
	363c X-Ray Safety: Veterinary 0.5 hr	Prebook
26. Use the Nuclear Reactor	311c Radiation Safety: Reactor	Call Reactor RPP 3-4203
	314p Radiation Safety: Reactor Practicum	Call Reactor RPP 3-4203
27. Work at Bates Linear Accelerator	331c Radiation Safety: Bates Linear Accelerator	Call Bates RPP 3-9200 ask for Gerry Fallon

Group 4 - Non-ionizing Radiation Sources: Lasers; RF; Magnets		
28. Use class 3b or 4 lasers	371c Laser Safety 1.5 hr	Every two weeks
	372m Laser Eye Exam: Baseline	
Group 5 - Miscellaneous		
29. Use electrically powered equipment over 50 volts where there is a potential for exposure to exposed parts (uninsulated and unguarded) of energized electrical circuits or equipment	425c Electrical Safety for Lab Personnel 1.0 hr	Every two weeks
30. Work in a noisy environment (have to shout to be heard at an arm's length away from another person)	150c Hearing Conservation (required annually) 1.0 hr	Prebook
31. Use a high degree of repetitive motion or excessive lifting, pushing, or pulling	161c Ergonomic Topics: Repetitive Motion and Material Handling 1.0 hr	Prebook
Group 6 - Specialized Safety		
32. Work in a confined space(s) such as tanks, manholes, boilers, or shafts	430c Confined Space Entry Attendant 1.0 hr (431c refresher every 2 years)	Prebook
33. Supervise those who work in a confined space such as tanks, manholes, boilers, or shafts	432c Confined Space Entry Supervisor 1.0 hr (431c refresher every 2 years)	Prebook
34. Work or supervise those that work from ladders, scaffolding, staging, lifts, or powered platforms	440c Fall Protection 1.0 hr	Prebook
35. Supervise those who weld, cut or solder with a torch, braze, or grind. Supervise a designated hot works area	452c Hotwork Safeguards Supervisor 3.0 hr (452c required every 2 years)	Prebook
36. Operate cranes or hoists	460c Hoists & Cranes safety/Prep for MA class 3A License Exam	Prebook
37. Operate a forklift, battery powered pallet jack, or other material handling equipment	461c Powered Industrial Trucks/Prep for MA Class C1 License Exam	Prebook
38. Manage, plan, or implement renovation or construction activities	490c Intro to OSHA Standards 1.5 hr	
39. Climb a tower or supervise those who do	491c Tower Climbing Safety 1.0 hr	