

MIT EHS Training Needs Profile:

Activities and Requirements

The following table shows the training and other requirements associated with the activities in the first column. (Some Departments have special training requirements that go beyond these requirements)

Activity If you...	Requirement You must do... W=web class, c=classroom, m=medical, s=signature, p=practicum	Retaining Schedule (blank means initial only)
Group 1 - Biosafety		
1. Use biological materials requiring BL1 or BL2 containment, or use recombinant DNA/RNA requiring BL1 or BL2 containment.	260c General Biosafety for Researchers 1 hr	
2. Supervise a laboratory that uses biological materials requiring BL1 or BL2 containment, or uses recombinant DNA/RNA requiring BL1 or BL2 containment.	260c General Biosafety for Researchers 1 hr	
3. Perform research with human blood or body fluids, human cells, or human cell lines	200c Bloodborne Pathogens and Biosafety Training for Researchers 1 hr . (204c annual refresher 0.5 hr)	Annual
	208m BBP-Hepatitis Information Form	
4. Perform research with HIV or HBV (Note: lentivirus transfer vectors excluded)	200c Bloodborne Pathogens and Biosafety Training for Researchers (204c annual refresher)	Annual
	208m BBP-Hepatitis Information Form	
	221c Biosafety level 2 plus (BL2+) training	
	260c General Biosafety for Researchers 1 hr	
5. Supervise a laboratory that performs research with human blood or body fluids, human cells, or human cell lines	212c PI of Laboratory with an Exposure Control Plan	
	260c General Biosafety for Researchers 1 hr	
6. Ship or prepare to ship infectious agents (human, animal or plant), genetically modified organisms, human specimens, or toxins	253c Shipping Biohazardous Materials (1 hr)	
7. Enter biological research labs to provide maintenance or service, or handle materials, equipment, etc., from biological labs as a non-researcher providing a service for these research labs.	261c Biosafety Awareness for Non-researchers (1 hr)	
Group 2 - Chemical Safety		
8. Use potentially hazardous chemicals in a laboratory (this includes even common chemicals such as oil, solvents, paints, alcohol,	100w or 100c General Chemical Hygiene 1.5 hr	
	110c Lab Specific Chemical Hygiene	Annual

Activity If you...	Requirement You must do... W=web class, c=classroom, m=medical, s=signature, p=practicum	Retaining Schedule (blank means initial only)
acetone, etc.)	111s Signature: I have read the Chem. Hygiene Plan	
	501w or 501c Managing Hazardous Waste 1 hr.	Annual
9. 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	Annual
	111s Signature: I have read the Chem. Hygiene Plan	
	501w or 501c Managing Hazardous Waste	Annual
10. Use potentially hazardous chemicals in a work place other than a laboratory	120c or 120w General Hazard Communication 1.5 hr	
	121c Work Area Specific Hazard Comm. Training	
	501w or 501c Managing Hazardous Waste	Annual
11. 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	Annual
12. Use oil from a single container or reservoir in quantities equal to or greater than 55 gallons	510w or 510c Oil Spill Prevention and Water Pollution Control 1 hr	Annual
13. Use hydrofluoric acid	130c Hydrofluoric Acid Training 0.5 hr	
14. Use a respirator	131r Respirator Program: MIT Program Registration	
15. Ship or prepare to ship potentially hazardous chemicals	251c Shipping Hazardous Chemicals 1 hr	
Group 3 – Electric, Noise, Ergonomics, Driving		
16. Do you have concerns that computer use is contributing to your risk of developing a computer related injury (musculo-skeletal disorder)?	163w Computer Work Station Ergonomics	
17. Use electrically powered equipment over 50 volts where there is a potential for exposure to exposed parts (uninsulated and unguarded) of	425c or 425w Electrical Safety for Lab Personnel 1 hr	

Activity If you...	Requirement You must do... W=web class, c=classroom, m=medical, s=signature, p=practicum	Retaining Schedule (blank means initial only)
energized electrical circuits or equipment.		
18. Work in a noisy environment (have to shout to be heard at an arm's length away from another person)	150c Hearing Conservation 1 hr	Annual
19. Use a high degree of repetitive motion or excessive lifting, pushing, or pulling	161c Ergonomic Topics: Repetitive Motion and Material Handling 1 hr	
Group 4—Ionizing Radiation		
20. Use radioactive materials	301c Radiation Safety: Laboratory 3 hrs.	Every 2 years
21. Supervise a laboratory authorized to possess and use radioactive materials	304c PI of a Radioactive Materials Authorization	
22. Use sealed sources of radioactivity	301c Radioactive Materials Safety, 3 hrs or 306c Radiation safety: Sealed Sources	Every 2 years
23. Use gammacell irradiator	301c Radiation Safety: Laboratory	Every 2 years
	341c Gammacell Irradiator Safety – G40-CCR 1 hr	
	354m Dosimetry Assignment	
24. Use unbound radioiodine/iodination	301c Radiation Safety: Lab	Every 2 years
	351c Iodination Safety	
	352m Thyroid Monitoring: Baseline	
	354m Dosimetry Assignment	
25. Use high activity sources of radiation	301c Radiation Safety: Laboratory 3 hrs	Every 2 years
	353c High Activity Source Safety	
26. Use accelerators	365c Accelerator Safety 1.5 hrs	
27. Use x-ray equipment	361c X-Ray Safety: Analytical / Industrial 1.5 hrs	
28. Use medical and/or dental x-ray equipment	354m Dosimetry Assignment	
	362c X-Ray Safety: Medical/Dental 0.5 hr	
29. Use veterinary x-ray equipment	354m Dosimetry Assignment	
	363c X-Ray Safety: Veterinary 0.5 hr	
30. Use the Nuclear Reactor	311c or 311w Radiation Safety: Reactor	
	314p Radiation Safety: Reactor Practicum	

Activity If you...	Requirement You must do... W=web class, c=classroom, m=medical, s=signature, p=practicum	Retaining Schedule (blank means initial only)
31. Work at Bates Linear Accelerator	331c Radiation Safety: Bates Linear Accelerator	
Group 4 - Non-ionizing Radiation		
32. Use class 3b or 4 lasers	371c Laser Safety 1.5 hr	
33. Enter and work in an area with an RF (radiofrequency) warning sign	392c Radio Frequency / Microwave Radiation Safety Awareness	
34. Enter or work in an area with "Danger Strong Magnetic Field" postings (recommended training)	380w Static Magnetic Field Safety [Note: This will appear under Recommended Training]	
Group 6 - Specialized Safety		
35. Work in a confined space(s) such as tanks, manholes, boilers, or shafts	430c Confined Space Entry Attendant 1 hr (431c refresher every 2 years)	Every 2 years
36. Supervise those who work in a confined space such as tanks, manholes, boilers, or shafts	432c Confined Space Entry Supervisor 1 hr (431c refresher every 2 years)	Every 2 years
37. Work or supervise those that work from ladders, scaffolding, staging, lifts, or powered platforms	440c Fall Protection 1 hr	
38. Supervise those who weld, cut or solder with a torch, braze, or grind. Supervise a designated hot works area	452c Hotwork Safeguards Supervisor 3 hr (452c required every 2 years)	Every 2 years
39. Operate cranes or hoists	460c Hoists & Cranes safety/Prep for MA class 3A License Exam	
40. Operate a forklift, battery powered pallet jack, or other material handling equipment	461c Powered Industrial Trucks/Prep for MA Class C1 License Exam	
41. Involved in planning construction or renovation activities in your department, lab or center	490c Intro to OSHA Standards 1.5 hr	
42. Climb a tower	491c Tower Climbing Safety 1 hr	
43. Supervise those who climb a tower	491c Tower Climbing Safety 1 hr	
44. Work with cryogenic liquids (recommended training unless your DLC requires it)	466w Cryogenic Safety	