

Safety Training Matrix for LSU Research Personnel

LSU research personnel, including but not limited to, Principal Investigators (PI), Lab Supervisors (LS), research staff, graduate students, and undergraduate students should use this Safety Training Matrix. The Safety Training Matrix outlines the minimum training requirements for personnel working in a research setting. Answer the questions below to determine which requirements apply to you. If you answer "Yes," the corresponding requirements apply. Please note the number of required training courses compound as you go down the list.

		Complete Training Requirement																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	19	20		
Are you LSU/AgCenter Faculty, staff or a student who...		Basic Laboratory Safety	Hazard Communication	Emergency Response	PI Laboratory Responsibilities	Hazardous Waste	Compressed Gas Cylinder	Chemical Safety	Basic Biosafety	Blood-borne Pathogens	NIH Guidelines	Risk Assessment	Biosecurity	Biological Safety Cabinets	IBRDSC Policy Document	N95 Use/PAPR Use	Shipping Hazardous Materials	Machine Shop	Radiation Safety	Animal Safety/DLAM	IRB - Human Subjects Training		
All	Work in a laboratory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																			
	Work in a laboratory that contains chemicals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>																	
	Work in a research lab containing biologicals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>														
	Is a PI or Lab Supervisor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Chemical	Will use chemicals or work in a wet lab?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																			
	Work in a fume hood?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																			
	Work with compressed gas or cryogenics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>																
	Will use pyrophorics, explosives or large quantities of flammables?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>															
	Will use hazardous chemicals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>															
	Generate waste materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>																	
	Use mechanical or rotating equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															<input type="checkbox"/>				
	Biological	Will work with human materials (e.g. blood, specimens, tissue, cells, or blood-borne pathogens)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>												
		Will use biohazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>												
Will work in a Biological Safety Level 2 lab?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>										
Will use a Biological Safety Cabinet?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
Will will work with recombinant DNA (rDNA)?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
Will ship biological or hazardous materials?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														<input type="checkbox"/>					
Will work with animals?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
Will use a respirator?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												<input type="checkbox"/>							
Will generate biological waste?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>														
Radiation	Will work on a IBRDSC Project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										<input type="checkbox"/>								
	Will work with radioactive materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>			
	Will work with lasers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>			
Animal	Will work with radiation producing equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															<input type="checkbox"/>				
	Will use a respirator?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												<input type="checkbox"/>							
	Will handle animal carcasses, animal tissue or will have access to a vivarium?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
	Will have direct contact with live vertebrate animals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
DLAM	Is a PI, Faculty Sponsor or Personnel listed on an Institutional Animal Care and Use Committee (IACUC) Protocol?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>		
	Will work with animals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
	Will perform a survival surgery procedure or a procedure requiring aseptic technique?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
	Will enter or have access to an animal barrier facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
IRB	Will enter or have access to an animal biocontainment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	<input type="checkbox"/>		
IRB	Will work with human subjects?																					<input type="checkbox"/>	

Key	Training Section	Frequency	Contact
1	Basic Laboratory Safety	Annual	EHS Online
2	Hazard Communication	Annual	EHS Online
3	Emergency Response	Annual	EHS Online
4	PI Laboratory Responsibilities	Once	PI
5	Hazardous Waste	Annual	EHS Online
6	Compressed Gas Cylinder	Annual	EHS Online
7	Chemical Safety	Annual	EHS Online
8	Basic Biosafety	Annual	EHS Online
9	Blood-borne Pathogens	Annual	EHS Online
10	NIH Guidelines	Annual	EHS Online

Key	Training Section	Frequency	Contact
11	Risk Assessment	Annual	EHS Online
12	Biosecurity	Annual	EHS Online
13	Biological Safety Cabinets	Annual	EHS Online
14	IBRDSC	3 years	IBRDSC
15	N95 Use/PAPR Use	Annual	EHS Online
16	Shipping Biological Materials	TBD	Unavailable
17	Machine Shop	TBD	Unavailable
18	Radiation Safety	Annual	RS
19	Animal Safety/DLAM	Annual	DLAM
20	IRB - Human Subjects Training	Once	IRB
21	Practical BSL-2 Training	Optional	EHS