

NJIT

New Jersey Institute
of Technology

NJIT Environmental Health and Safety (EHS) Department

Contact Us:

**<https://www5.njit.edu/environmentalsafety/>
973-596-3059**

healthandsafety@njit.edu

**Faculty Council
Spring, 2017**

Role of the EHS Department

- The main functions of the EHS Department are:
 - to protect public health
 - to protect the health and safety of NJIT's faculty, students, staff, and visitors
 - to comply with regulations and guidelines
 - to comply with occupational health and safety guidelines and regulations
 - to comply with environmental stewardship regulations
 - to assist with emergency response
 - to offer advice and guidance to the university community
(to become a resource for the university)

Development of a Comprehensive EHS Program

- Some of the main activities of the EHS Department include:
 - Training
 - Lab Safety Training (RTK, Chemical Hygiene, RCRA)
 - Biological Safety and Bloodborne Pathogens
 - LASER Safety Training
 - Radiation Safety Training
 - Shop Safety Training
 - Safety Program Development
 - Chemical Hygiene Guide
 - Biosafety Manual
 - Laser Safety Manual
 - Hazard Communication Program
 - Development of Partnerships

Laboratory Safety - EHS Regulations



OSHA: The Lab Standard, Bloodborne Pathogens Standard, Respiratory Protection, Hazard Communication, Worker Protection

NJ DOH, DEP, DOL: NJ Worker and Community Right to Know

EPA/NJ DEP: RCRA (Hazardous Waste Management), Clean Air Act, Clean Water Act, TOSCA, FIFRA, EPCRA, CERCLA, SARA



CDC/NIH: Biosafety Guidelines, Restricted Agents

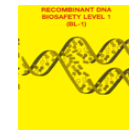


DOT: Transport of Infectious and/or Hazardous Materials

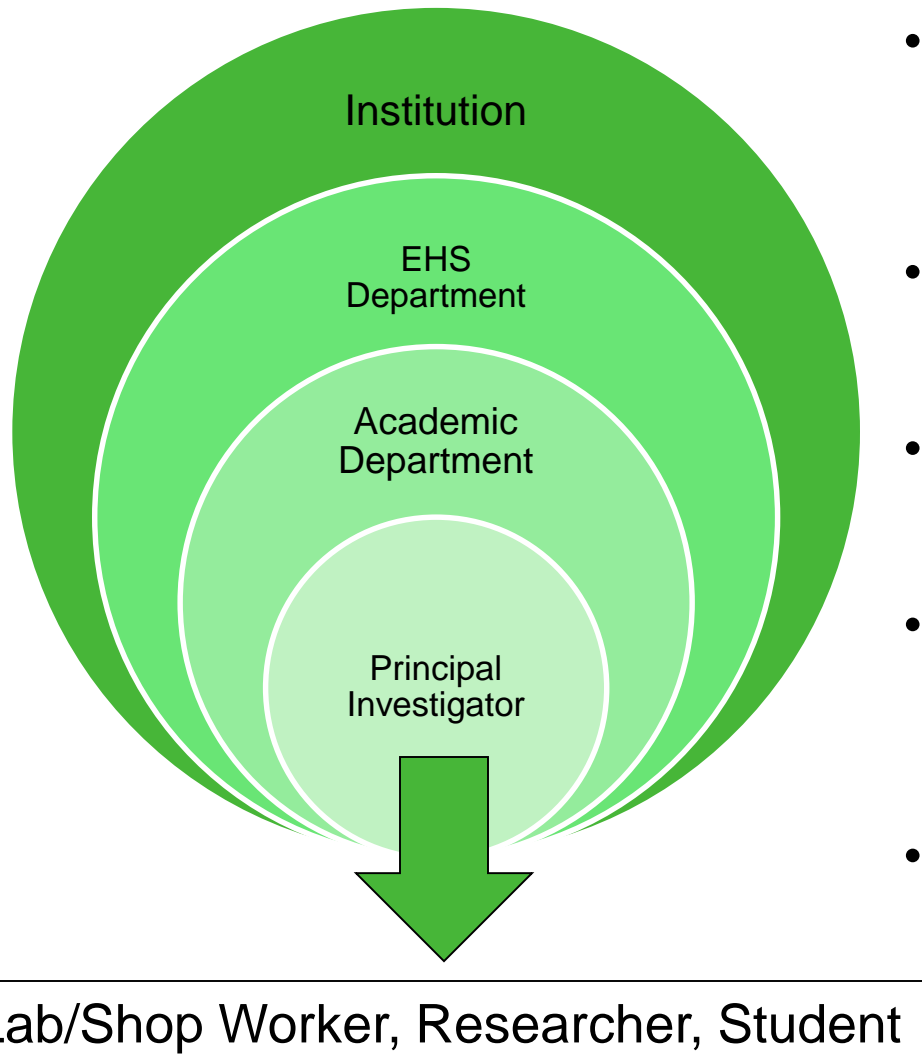
NJ DEP: Radioactive Materials

USDA: Plant and Animal Pathogens, Genetically Engineered Plants, Laboratory Animal Husbandry, Import/Export

NIH: Recombinant DNA, Animal Care and Use



Building a “Culture of Safety” is a Shared Responsibility



- Institution: convene appropriate committees, institute appropriate policies and procedures, allocate adequate resources, retain necessary vendors...
- EHS Department: provide the necessary training, tools, support, guidance required to ensure that research staff...
- Academic Department: provide oversight, supervision, mentoring, support, funding, guidance...
- Faculty Mentor: overall responsibility for day-to-day laboratory/shop activities, submit protocols, conduct “hands on training”...
- Laboratory/Shop Worker: attend mandated training, follow written protocols, be cognizant of potential hazards, be respectful of facilities and fellow lab workers...

I. Academic Departments			
Environmental Health and Safety Committee			
College/Administrative Unit	Department/School	Representative	Title
Newark College of Engineering	Biomedical Engineering	James Haorah	Associate Professor, BME Safety Chair
	Chem, Bio, Pharm Engineering	Lisa Axe	Professor, Interim Chair
	Chem, Bio, Pharm Engineering	Shawn Yetman	Lab Manager
	Civil and Environmental Engineering	Stephen J. George	Director of Labs for Education
	Electrical and Computer Engineering	Byron Chen	Director of ECE Labs
	Engineering Technology/NCE Office of the Dean	Daniel Brateris	Director of Experimental Learning
	NCE Office of the Dean	Aristides Chavez	Laboratory Specialist for Fabrication and Manufacturing
	Mechanical and Industrial Engineering	Joseph Glaz	Laboratory Technical Coordinator
York Center	Multi-Disciplinary	Helen Gramcko	Director of Operations
		Jeong Seop Shim	Lab Chemist, Material Characterization Lab
Science and Liberal Arts	Chem and Environmental Science	Kevin Belfield	Professor, Dean CSLA
	Chem and Environmental Science	Chaudhery Mustansar Hussain	Lab and Academic Coordinator
		Physics	
	Federated Department of Biological Sciences	Farzan Nadim	Professor of Neurobiology
	Theatre Arts		
Architecture and Design	Architecture	Richard Garber	Director
	Art and Design	Darius Sollohub	Associate Professor
II. Administrative Departments			
REDCO	Public Safety	Joseph Marswillo	Chief
REDCO	Security Systems	Robert Gjini	AVP
REDCO	Facilities Services	Ronald Martucci	AVP
REDCO	Environmental Health and Safety	Mitchell Gayer	Director
REDCO	Environmental Health and Safety	Payam Ghanbari	EHS Coordinator
REDCO	Environmental Health and Safety	Noelle Screen-Reddick	EHS Coordinator
Finance	Risk Management	Verne Hahn	Director
Human Resources	HR - Benefits	Danielle Mason	Assoc. Director, Benefits
III. Union Representation			
AFSCME		William Araujo	Union Representative
PSA/AAUP		Michelle Tellefsen	Senior Staff Representative
IV. Student Representative			

EHS Training and Protocol Review

2016	# Sessions	# Students	# Protocols
Lab Safety Training (Chem Hygiene, RTK, RCRA)			
	27	556	
(SOPs for working with hazardous chemicals)			11
Biological Safety and BBP Training			
	7	94	
(Registration Document for Biohazards - microorganisms, r-DNA, human derived materials)			8
Pre-College and Undergraduate Programs			
	6	119	
(Provost's H.S. Summer Program, Governor's STEM Program and Undergraduate Research Innovation Program)			83

University Safety and Environmental Management System (USEMS)

USEM – University Safety and Environmental Management System

Environmental Management

- Air Emissions
- Indoor Air Quality
- Waste Water
- Storm Water
- Asbestos
- Lead Based Paint
- Drinking Water
- Pesticides
- Polychlorinated Biphenyls (PCB)
- Petroleum Storage Tanks
- Hazardous Materials and Petroleum Spill Prevention and Control - Discharge Prevention Containment and Countermeasure (DPCC) Plan
- Waste Management for Laboratories and Academic Shops
- Regulated Hazardous Wastes - RCRA Contingency Plan
 - Satellite Accumulation Areas
 - Universal Waste Management
 - Biological Waste Management
 - Radiological Waste Management
 - Solid Waste
 - Electronic Waste
- Environmental Due Diligence and Site Assessment
- Worker & Community Right to Know and Hazard Communication

Occupational Safety (Laboratories, Academic Shops, Facility Operations)

- Emergency Action Plan
- Chemical Hygiene Plan
- Asbestos Awareness
- Use of Personal Protective Equipment
- Confined Space
- Bloodborne Pathogens
- Control of Hazardous Energy (Lock Out/Tag Out)
- Respiratory Protection
- Hearing Conservation
- Control Plan for Toxic and Hazardous Substances
 - Formaldehyde Control Plan
 - Lead Control and Awareness Plan
 - Benzene Control Plan
 - Methylene Chloride Control Plan
 - Cadmium Control Plan
 - Asbestos Control Plan
- Welding, Cutting and Burning
- Machine Guarding
- Hand Tools and Portable Power Tools
- Power Industrial Trucks
- Laser Safety Plan
- Radiation Safety Plan
- Electrical Safety
- Nanotechnology
- Biological Materials
- Onsite Vendor/Contractor EHS
- Ergonomics/ Safe Lifting

**NJIT Environmental Health and Safety
(EHS)
Department**

Contact Us:

**<https://www5.njit.edu/environmentalsafety/>
973-596-3059**

healthandsafety@njit.edu

NJIT

New Jersey Institute
of Technology