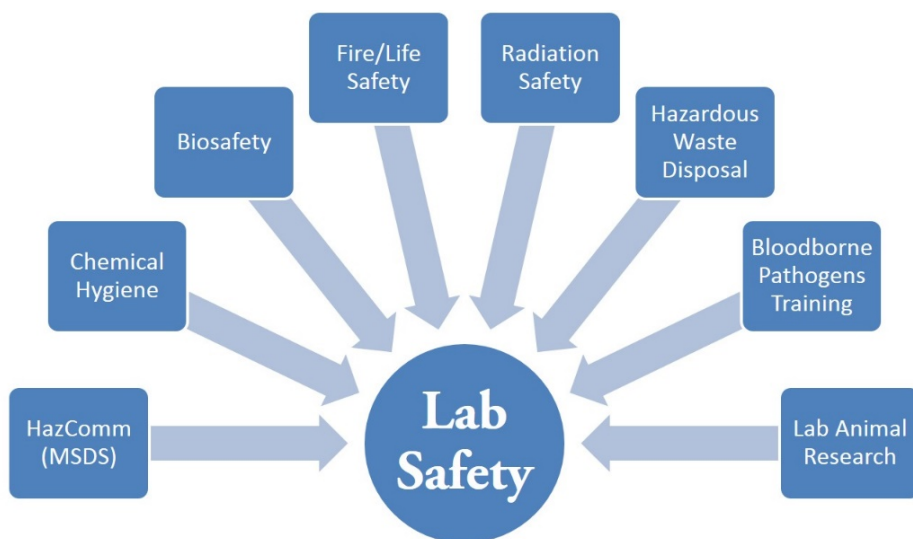


Lab Safety Standard: Trainings

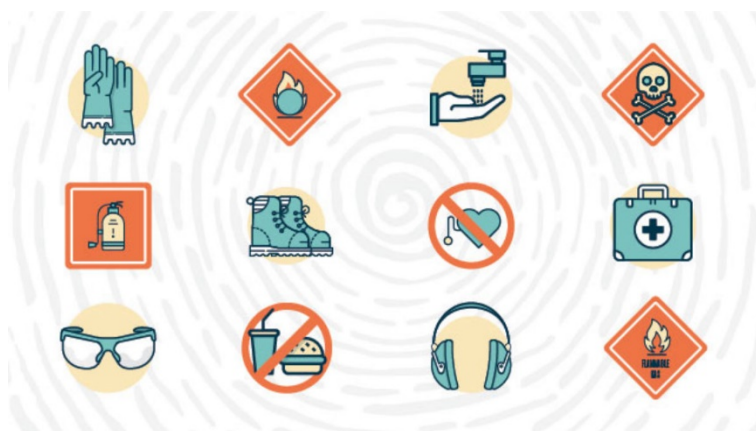


Safety Gram

FEBRUARY
2021

“Safe and Healthful Working Conditions”

Each industry and work environment has their share of hazards, many of which are regulated under specific federal standards to keep employees and the public safe. While the laboratory setting is a little different than other working environments, there are still safety standards that apply to ensure safe working conditions.



The Chemistry and Biochemistry department is one of the more dangerous departments on campus, many biological and chemical hazards come in and out of labs every day. Each lab has their own risks, so each person in the lab has a responsibility to respond to those risks. They include, but are not limited to, the following responsibilities;

Safety Committee

The purpose of the Chemistry and Biochemistry Department Safety Committee is to help protect researchers, workers, and students in the department.

Please contact us with any questions, concerns, or suggestions about lab safety.

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The Professor:

1. Recognize the hazards present in the lab.
2. Communicate those hazards to those working in the lab.
3. Provide proper safety practices such as engineering controls and Personal Protective Equipment (PPE) adequate for the present hazards.
4. Provide the needed training, for the present hazards, to the lab workers.
5. Enforce and uphold the safety requirements established in the Standard Operating Procedures (SOPs) for lab projects, the Chemical Hygiene Plan (CHP) for the department, and any Safety Data Sheet (SDS) information for new or unfamiliar chemicals.
 - a. An SOP and SDS data base is kept for the department which can be found, along with the department's CHP, by following the link below.

<https://chem.byu.edu/resources/chemistry-and-biochemistry-safety/>

**The Lab Employee:**

1. Recognize the hazards present in the lab and bring any new hazards to the attention of the professor.
2. Take responsibility for their safety in the lab and while conducting lab work.
 - a. Correctly wear the provided, proper PPE
 - b. Consult any SDS, and/or SOP information when they are unsure about a procedure
 - c. Be aware of any hazards that may arise from a lab activity
3. Complete required trainings in order to safely work in the lab.
 - a. Follow this link to BYU's online training resource, myabsorb.

<https://byu.myabsorb.com/#/dashboard>

Training Resources: Below is a list of some OSHA standards that apply to labs, such as the ones here at BYU. Specific trainings may be required to show compliance and understanding of these standards, based on the hazards present in your lab.

Hazardous Chemicals in Laboratory Standard (29 CFR 1910.1450)

Hazard Communication Standard (HazCom) (29 CFR 1910.1200)

Bloodborne Pathogens Standard (29 CFR 1910.1030)

Control of Hazardous Energy standard (29 CFR 1910.147)

Hand Protection standard (29 CFR 1910.138) and PPE Standard (29 CFR 1910.132)