

The EH&E online safety training system has an array of safety topics ranging from biosafety to ultraviolet light. Each group in the system has a list of default topics assigned to a new User and topics may be removed or additional ones assigned based upon the User's exposure to hazards. The topics are outlined below and include the each topic's title, a brief description, and guidance for you should complete it. The topics are separated into two lists: EH&E general topics and College of Engineering SOP & safety manuals. Please keep in mind additional laboratory or department specific training may be required and based upon specific processes and hazards.

EH&E GENERAL TOPICS

Acrylamide

- General information pertaining to the hazards and controls of acrylamide.
- Required for Users who may handle acrylamide - powder or solution.
- Required for supervisors of each applicable User.

BSU Safety Guidelines

- Discusses personal safety on campus and touches on emergency preparedness. Important contact numbers are included.
- Required for all Users.

Biosafety

- Basic principles of biosafety including biosafety levels, engineering controls, and spill response.
- Required for Users who may handle potentially infectious materials.
- Required for supervisors of each applicable User.

Bloodborne Pathogens (BBP)

- Information regarding BBP hazards, common agents, and controls.
- Required for Users who may contact blood or other potentially infectious material (OPIM) such as body fluids and unfixed tissues.
- Required for supervisors of each applicable User.

Cell & Tissue Culture

- Information common hazards and controls surrounding cell and tissue culture.
- Required for Users who may perform activities involving cell or tissue culture.
- Required for supervisors of each applicable User.

Centrifuge

- Information regarding centrifuge hazards and work practices.
- Required for Users who may use a centrifuge.
- Required for supervisors of each applicable User.

Chemical Hygiene Plan

- Chemical safety information for laboratories
- Required for Users in laboratories where chemicals are used.
- Required for supervisors of each applicable User.

Compressed Gases

- Information on compressed gas hazards, transport, and storage.
- Required for Users who may handle compressed gas cylinders.
- Required for supervisors of each applicable User.

Confined Space Awareness

- General awareness information on confined space safety including definitions, hazards, and entry requirements.
 - A confined space is any area that has limited openings for entry and exit that would make escape difficult in an emergency, has a lack of ventilation, contains known and potential hazards, and is not intended nor designated for continuous human occupancy.
- Required for Users who may enter a confined space. Any Entrant or Attendant of a permit required confined space must receive additional training **PRIOR** to being involved in any entry.
- Required for supervisors of each applicable User.

Electrical Safety

- Basic information for electrical safety: hazards, procedures, and emergency response.
- Required for Users who use or maintain electrical equipment.
- Required for supervisors of each applicable User.

Emergency Action Plan

- Evacuation, spill, and injury reporting/response information and procedures.
- Required for all Users.

Ethidium Bromide

- Hazard and control information for ethidium bromide.
- Required for Users who may contact ethidium bromide.
- Required for supervisors of each applicable User.

Fall Prevention

- Fall prevention surrounding ladder and scaffold safety.
- Required for Users who may use a ladder or scaffold.
- Required for supervisors of each applicable User.

Flammable & Combustible Liquids

- Information regarding flammable and combustible liquid handling and safety.
- Required for Users who may handle flammable or combustible liquids.
- Required for supervisors of each applicable User.

Gel Electrophoresis

- Chemical and physical hazard information and controls surrounding gel electrophoresis.
- Required for Users who may use gel electrophoresis.
- Required for supervisors of each applicable User.

Hazard Communication

- Information to assist in the identification of chemicals and associated hazards including labeling and material safety data sheets.
- Required for Users who may handle chemicals.
- Required for supervisors of each applicable User.

Hazardous Waste

- Basic information on the storage, labeling, and disposal of hazardous waste.
- Required for Users who may handle chemicals.
- Required for supervisors of each applicable User.

Laser Safety

- Discusses hazards and controls associated with lasers.
- Required for Users who may operate a laser or equipment containing a laser.
- Required for supervisors of each applicable User.

Lead

- Information concerning lead exposure and regulatory requirements.
- Required for Users who may contact lead or lead containing products – metals containing lead, scraping/sanding lead paint, certain welding/soldering activities.
- Required for supervisors of each applicable User.

Lockout Tagout

- Provides a basic understanding of lockout tagout requirements and practices for protection against hazardous energy from equipment start up or activation during maintenance activities.
 - Includes, but is not limited to: electrical, pneumatic, hydraulic, steam, chemical, mechanical, or potential energies.
- Required for Users who may perform maintenance activities on equipment.
- Required for supervisors of each applicable User.

Noise Protection

- Information related to noise exposure and protective measures.
- Required for Users who may be exposed to excessive levels of noise.
- Required for supervisors of each applicable User.

Record Keeping

- Discusses OSHA recordable injuries and record keeping requirements.
- Currently not required for any User.

Regulated Medical Waste

- Information regarding biohazardous and sharps waste.
- Required by Users required to take one or more of the following topics: biosafety, bloodborne pathogens, or cell & tissue culture.
- Required for supervisors of each applicable User.

SPCC – Spill Prevention, Control & Countermeasure

- Information on measures to prevent, control, and clean up oil spills. It is also applicable to chemical spills.
- Required for Users who may handle equipment or containers with greater than or equal 55 gallons of oil or a chemical. Handling includes, but is not limited to: relocating, dispensing from, and adding to a piece of equipment or container.

Shipment of Dangerous Goods

- Basic information regarding restrictions on shipping dangerous goods (hazardous materials).
- Required for Users who may be involved in the shipment of dangerous goods.
- Required for supervisors of each applicable User.

Ultraviolet Light (UV)

- Information on the hazards and controls of ultraviolet light.
- Required for Users who may use equipment or perform tasks involving UV sources – biosafety cabinet, gel box, welding – or work outdoors.
- Required for supervisors of each applicable User.

COLLEGE OF ENGINEERING SOP & SAFETY MANUALS

COEN C-MEMS Complex Lab Safety Manual

- Required for Users of the C-MEMS lab or those using the lab's equipment.

COEN COBR Lab Safety Manual

- Required for Users of the COBR lab or those using the lab's equipment.

COEN Compressed Gas Cylinder SOP

- Required for Users in the College of Engineering and who may handle compressed gas cylinders.

COEN ET 105 & 107 Lab Safety Manual

- Required for Users of the ET 105 or 107 labs or those using the lab's equipment.

COEN ET 109 Lab Safety Manual

- Required for Users of the ET 109 lab or those using the lab's equipment.

COEN HML 103 Material Science Lab Guidelines

- Required for Users of the HML 103 lab or those using the lab's equipment.

COEN HML 113 Vadose Zone Lab Safety Manual

- Required for Users of the HML 113 lab or those using the lab's equipment.

COEN MEC 107 SOP Safety Orientation

- Required for Users of the MEC 107 lab or those using the lab's equipment.

COEN MEC 208 Lab Safety Manual

- Required for Users of the MEC 208 lab or those using the lab's equipment.

COEN MEC 210, 311, 313 Lab Safety Manual

- Required for Users of the MEC 210, 311, or 313 lab or those using the lab's equipment.

COEN MEC 211 Lab Safety Manual

- Required for Users of the MEC 211 lab or those using the lab's equipment.

COEN MEC 212 Lab Safety Manual

- Required for Users of the MEC 212 lab or those using the lab's equipment.

COEN MEC 213 SOP

- Required for Users of the MEC 213 lab or those using the lab's equipment.

COEN MEC 415 IMS High Voltage

- Required for Users who use the MEC 415 high voltage equipment.

COEN MEC 415 Lab Safety Manual

- Required for Users of the MEC 415 lab or those using the lab's equipment.

COEN Mech Testing Lab Safety Manual

- Required for Users of the Mechanical Testing lab or those using the lab's equipment.