



This matrix will assist supervisors and employees at UH Manoa in determining the types of [training](#) required for employees, after conducting a [Job Hazard Analysis](#). Other courses may be available or needed, depending on work activities. Contact UH EHSO Education Coordinator, Hans O. Nielsen at hansn@hawaii.edu with any questions.

Note: Personnel at [Manoa Based Off-Campus Facilities](#) should contact respective EHSO coordinators for site specific requirements, including trainings, if available. Personnel at JABSOM Kaka’ako should email Janet Meeks at meeksj@hawaii.edu for more information.

Course Title	Overview	Provided By	Training Frequency	Training Delivery Method
Asbestos Awareness	Required for employees that provide housekeeping operations in areas where asbestos containing material is present.	EHSO	Annually	In person. Contact hansn@hawaii.edu
Back Safety/Ergonomics	General information on proper lifting postures and hazards of material handling	EHSO	As needed	In person. Contact hansn@hawaii.edu
Bloodborne Pathogens (non-research personnel, i.e. custodians, security)	Required for anyone who works with or around human blood or other potentially infectious materials (OPIM), in a non-research setting.	EHSO	Initially, and annual refresher.	In person initial with an online annual refresher via Laulima .
Bloodborne Pathogens (research personnel)	Required for anyone who works with or around human blood or other potentially infectious materials (OPIM), in a research or laboratory setting.	UH Biosafety Office	Initially, and annual refresher.	BioSafety program - In person initial with an online annual refresher via Laulima .
Confined Space	Required for personnel who need to enter confined space, such as manholes, pipe tunnels, boilers, tanks, high voltage electrical enclosure, etc.	Outside Vendor	One-time, or when duty or hazard changes	Contact vendor for options

Crane/Hoist Operation	Required for operators of cranes, hoists or chain falls.	Outside Vendor	One-time	Contact vendor for options
Fall Protection	Required for anyone who works on platforms, scaffolds, ladders, boomlifts or when working above heights of 4'. Learn to become a 'Competent Person' in Fall Protection.	Outside Vendor	One-time	Contact vendor for options
Fire Safety/Fire Extinguisher	Information about fire codes and fire extinguishers.	EHSO Fire Safety Program	One-time	In person. Contact rmerrell@hawaii.edu
Forklifts	Certification program for forklift operators.	Outside Vendor	Initially, and every 3 years thereafter	Contact vendor
Hazard Communication (HAZCOM)	Required for anyone who handles, stores, & uses chemicals. Includes Globally Harmonized System Training.	EHSO	One-time	In person. Contact hansn@hawaii.edu
Hazardous Waste Generator Training	Required for anyone who generates chemical waste and submits it to UH EHSO for proper waste disposal.	EHSO	Initially, and annual refresher.	In person initial with an online annual refresher via Laulima .
Hearing Conservation	Anyone exposed to noise levels of 85 dBA or more over an 8 hour time weighted average (need annual hearing test), as determined by noise survey.	EHSO	Annually	EHSO - In Person. Contact hansn@ahawaii.edu
Hot work/Welding	Recommended for operators, installers, servicers of oxy-fuel, and welding/cutting equipment. Employee should be skilled and experienced in hot work. Certification programs available locally.	Outside Vendor	As needed	Contact vendor
Lab Safety	Required for anyone who handles, stores, & uses chemicals in a laboratory. Includes Globally Harmonized System Training.	EHSO and Supervisor	Annually	In person initial with an online annual refresher using the Lab Personnel Safety Checklist
Ladder Safety	Information about working with ladders safely.	EHSO	One-time	In person. Contact hansn@hawaii.edu
Laser Safety	Anyone who operates laser equipment or is exposed to laser radiation	EHSO Radiation Safety Program	One-time	In Person. http://www.hawaii.edu/ehso/radiation-training/

Lead Awareness	General information on hazards when working with lead and how to minimize exposure during maintenance activities.	EHSO	As needed	In person. Contact hansn@hawaii.edu
LOTO (affected)	Specific information about locking/tagging out equipment being maintained, repaired or removed involving all types of energy. This training informs staff that are directly affected by LOTO activities. Facility should have a LOTO program in place.	EHSO or Supervisor	One-time. Retraining required when hazards change.	In person. Contact hansn@hawaii.edu
LOTO (authorized)	Specific information about locking/tagging out equipment being maintained, repaired or removed involving all types of energy. This training qualifies staff to LOTO equipment. Facility should have a LOTO program in place.	EHSO or Supervisor	One-time. Retraining required when hazards change.	In person. Contact hansn@hawaii.edu
Machine Guarding/Power Tools	General information on the various hazards of mechanical motion and techniques for protecting workers	EHSO or Supervisor	As needed	In person. Contact hansn@hawaii.edu
Personal Protective Equipment	General information on basic PPE as a tool for protecting workers	EHSO or Supervisor	As needed	In Person. Contact hansn@hawaii.edu
Radiation Safety	Required for personnel who work with or around radioactive materials or with radiation producing machines.	EHSO	Initially, and annual refresher.	In person initial with an online annual refresher via Laulima .
Respiratory Protection	Required for those who doing work that requires the use of a respirator.	EHSO	Initially, and annual refresher.	In person. Contact hansn@hawaii.edu
Scaffolding	Safe operating procedures of scaffolds	Outside Vendor	One-time. Retraining required when hazards changed.	Contact vendor
Storm Drain Awareness	General Information on preventing illicit discharge into the storm water drain system. Required for all employees who work around storm drains in their job duties (janitorial, groundskeeper, facilities & maintenance staff, etc).	EHSO	One-time	In person. Contact hansn@hawaii.edu