

Comprehensive Safety Plan (CSP) Training Matrix

PURPOSE: This document provides guidance on identifying the safety training courses available to employees. Most courses are available online through [My LINC](#). Some courses may require in-person training initially. Contact EHS if you have training questions.

** NOTE: F&O staff do not need to use this matrix. F&O staff are assigned specific training by the F&O Training Department via LITMOS. Training assigned is based on job position and job duties.*

CSP Chapter	If you	Example	Training Topic	Required Frequency of Training	My LINC course description
Multiple Chapters	Are a U-M employee	Employees performing custodial, maintenance, material handling, facility management, grounds or trades work.	Emergency Procedures Hazardous Waste Disposal U-M Drain Protection Incident/Accident Reporting Ladder Safety Medical Surveillance Permitted Equipment Awareness Rooftop Safety - Hazardous Exhaust and RF Awareness Hot Work Awareness Confined Space Awareness Basic Electrical Safety	Initial Only	EHS_OHS008w EHS Safety Orientation Training for Non-F&O Custodial, Maintenance and Trades Staff
5.0 Hazard Communication	Use any hazardous chemicals in a NON-laboratory environment	Work with chemicals like cleaners, lubricants, flammables, etc.	Hazard Communication	Initial Only	EHS_BLS001w Hazard Communication For Individuals Working In Research Support Units, Labs And Shops

6.0 Personal Protective Equipment	Use personal protective equipment (PPE)	Wear safety glasses, safety shoes, hard hats, gloves, etc.	Personal Protective Equipment	Initial Only	Included with multi-topic EHS Safety Orientation
7.0 Respiratory Protection	Required to wear a respirator for protection from airborne hazards	Wear a respirator such as an N95 or tight fitting half mask.	Respiratory Protection	Annually	Schedule In-Person Training with EHS
8.0 Hearing Conservation	Are exposed to high noise (>85 decibels)	Work with power tools, grounds equipment, or spend time in mechanical rooms.	Hearing Conservation	Annually	EHS OHS103w Annual Hearing Conservation Training
9.0 Research Safety	Work in a laboratory, are exposed to biological hazards, research animals, and/or engage in SCUBA diving activities.	Laboratory researchers, animal housing staff, field researchers.	Research Safety- multiple programs	Varies	Training varies. Verify training needs with EHS Research Safety .
10.0 Electrical Safety	Potentially work on or near exposed energized parts greater than 50V	Electricians and other Electrically Qualified Persons who work on electrical systems, control circuits or other components.	NFPA 70E Standard for Electrical Safety in the Workplace	3 years	Contact EHS to schedule training
11.0 Machine Shop and Makerspace Safety	Are in a work environment that includes a machine shop or makerspace	Milling machines, CNC, drill press, powered hand tools	Machine Shop and Makerspace Safety	Initial	EHS OHS075w Machine Shop and Tool Safety Training Tool-specific instruction & Proficiency Testing

13.0 Lockout Tagout	Service or maintain equipment or tools with hazardous energy sources	Removing guards, electrical work, repairing pumps, changing fan belts, etc.	Lockout Tagout	Initial Only	EHS_OHS003w Lockout Tagout - Control of Hazardous Energy Training
14.0 Permitted Equipment	Operate permitted equipment	Fork lifts, aerial work platforms, tractors, skid steers, front end loaders, overhead/gantry cranes, utility vehicles (Kubotas/ Toolcats), backhoes.	Permitted Equipment	Initial training and evaluation every 3 years	Schedule with Approved EHS Vendor or Department Trainer
15.0 Crane, Hoist, and Sling Safety	Use hoists and rigging equipment for lifting or moving materials	Use dock hoists and slings/shackles; chainfalls. This training does not satisfy Qualified Rigger or Overhead Crane Training.	Hoist and Sling Safety	Initial Only	EHS_OHS074w Hoist and Sling Safety Training
16.0 Confined Spaces	Enter confined spaces	Tanks, vessels, silos, pits, manholes, tunnels, and/or equipment housings	Confined Spaces	Initial Only	Schedule In-Person Training with EHS
17.0 Walking-Working Surfaces	Are exposed to fall hazards greater than four feet	Working less 15' from roof edges or working on platforms without guardrails	Walking-Working Surfaces	Initial Only	Schedule In-Person Training with EHS
18.0 Servicing Potentially Hazardous Exhaust Systems and Rooftop Hazards	Access building rooftops with hazardous exhausts	Accessing a rooftop with fume hood or paint booth exhausts	Hazardous Exhaust Systems	Initial Only	Included with multi-topic EHS Safety Orientation

19.0 Hot Work Safety	Conduct hot work	Welding, torch cutting, brazing, torch soldering, high speed metal grinding, etc.	Hot Work Safety	Initial Only	Contact EHS to schedule training
20.0 Compressed Gases, Liquefied Gases, Cryogenic Gases and Liquids	Use compressed gas, liquefied gas, cryogenic gas or liquid, or anesthetic gas (research)	Use of compressed gases in a laboratory	Compressed Gases, Liquefied Gases, Cryogenic Gases and Liquids		EHS_BLS025w Chemical Laboratory Safety (when used in a laboratory) Relevant EHS Standard Operating Procedures
21.0 Asbestos	Are potentially exposed to asbestos containing building materials	Perform tasks that could impact potential asbestos containing materials such as floor care, demolition work, insulation removal, plumbing, etc.	Asbestos	Annually	EHS_IHS126w Annual Asbestos Awareness Training
22.0 Lead	Are potentially exposed to lead containing materials	Perform tasks that could impact lead containing materials such as paint scraping, demolition work, soldering, and/or impacting lead shielding.	Lead	Annually	EHS_OHS102w Annual Lead Awareness Training
23.0 Silica	Are potentially exposed to airborne silica dust	Perform tasks such as tuckpointing, saw cutting, grinding, coring silica containing materials such as concrete, brick, ceramic tile, cinderblock, etc.	Silica	Initial Only	EHS_OHS007w Silica Competent Person Training

24.0 Pesticides	Apply pesticides on a scheduled or ad hoc basis	Apply a restricted use pesticide or mix a general use pesticide from a concentrate	Pesticide	Varies	See MDARD Requirements https://www.michigan.gov/mdard/licensing/pesticide/pesticide-applicator-certification
25.0 Heat Stress	Are exposed to high temperature environments	Perform groundwork outside during summer, work in steam tunnels, wear encapsulating PPE (i.e. impermeable coveralls)	Heat Stress	Initial Only	EHS_OHS024w Heat Stress Training
26.0 Cold Stress	Are exposed to low temperature environments	Perform snow removal, outside maintenance/ construction during the winter months, work in walk-in refrigerators/ freezers	Cold Stress	Initial Only	Contact EHS to schedule training
27.0 Motor Vehicle Operators	Operate motor vehicles with a gross vehicle weight rating or combination weight greater than 10,001 pounds	Passenger buses and vehicles used to transport hazardous materials, regardless of the vehicle weight and all commercial motor vehicles.	Motor Vehicle Operators		See CSP - 27.0 Motor Vehicle Operators to determine if a State of Michigan Chauffeur License or Commercial Drivers License (CDL) is needed
28.0 Water Safety and Watercraft	Operate boats or watercraft	Work on or from boats or watercraft on water	Water Safety and Watercraft Operation	Initial Only	Boating Safety Certificate

31.0 Hand Tool and Power Tool Safety	Use hand and power tools	Use powersaws, drills, oscillating and reciprocating tools, chainfalls, etc.	Hand Tool and Power Tool Safety	Initial Only	EHS_OHS075w_Machine Shop and Tool Safety Training (Note: Powdered Actuated Tools require specific training from qualified trainer)
32.0 Excavation	Work in or around excavations	Repair underground utilities in a trench, pumping fluids out of an excavation	Excavation	Initial Only	EHS_OHS004w Excavation Safety Awareness Training
33.0 Cellular and Radio Antenna Safety	Work near cell or radio antennas	Performing maintenance work on a roof near an antenna.	Cellular and Radio Antenna Safety	Initial Only	Included in the multi-topic EHS Safety Orientation
35.0 Scaffolds	Use, erect, or dismantle scaffolds	Use a baker's scaffold to perform maintenance work or inspect a scaffold prior to work.	Scaffolds	Initial Only	Schedule In-Person Basic Training with EHS. Advanced training can be scheduled with a qualified vendor.
36.0 Radiation Safety	Use or work around radioactive material/sources	Analytical X ray (diffraction, fluorescence, bone densitometer [DEXA], electron microscope) Medical (radiographic [X ray], computed tomography [CT], fluoroscopy, accelerator) Dental (panoramic or intraoral)	Radiation Safety	Annually	Training varies. Verify training needed at EHS-Radation Safety Services

36.0 Radiation Safety - Lasers	Use Class 3B and Class 4 lasers	Work in a lab with a Class 3B or Class 4 laser	Laser Safety	Initial Only	Training varies. Verify training needed at EHS-Laser Safety
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