

**UMBC Safety Training Guide - Updated 3.2026**

This guide has been developed to help departments and business or research units at UMBC navigate training requirements for various types of safety training. Training requirements are established by regulation, industry standards and best practices, and UMBC protocols.

For research areas, an additional guide has also been provided. This list is not exhaustive. If there is a specific training need that is not listed here or if specific guidance is needed, contact Environmental Safety and Health.

<b>Training Subject</b>	<b>Who Needs the Training?</b>	<b>Training Frequency</b>	<b>Training Service Provider(s)</b>
<b>Aerial Lift/MEWP Operator</b>	Employees who operate aerial lifts/MEWPs	3 Years	Genie , Chesapeake Region Safety Council
<b>Aerial Lift/MEWP Trainer (Train-the-Trainer)</b>	Managers/Supervisors who wish to provide MEWP operator training to their employees	As directed by training provider	Genie
<b>Bloodborne Pathogens</b>	Employees with potential exposure to blood or other potentially infectious (human) material	Annual	Webnet
<b>Crane/Hoist Operator</b>	Employees who will operate cranes or hoists (motor, chain hoist)	3 Years	McDal Corporation
<b>Crane/Hoist Trainer (Train-the-Trainer)</b>	Managers/Supervisors who wish to provide crane/hoist operator training to their employees	As directed by training provider	McDal Corporation
<b>DOT/IATA</b>	Any employees who receive, prepare/offer, ship, or transport hazardous material	Initial, before work is assigned	Contact ESH for guidance

<b>Earth Moving Vehicles</b>	Employees who operate earth-moving vehicles such as excavators, diggers, Bobcats, etc.	3 Years	Hands-on demonstration of safe operation, under observation of supervisor or other qualified person
<b>Fall Protection - Authorized User</b>	Employees who will be wearing/using personal fall protection (fall arrest, fall restraint, etc)	Initial, before work is assigned	ITAC, Chesapeake Region Safety Council (CRSC), 3M
<b>Fall Protection - Competent Person (Supervisor)</b>	Managers/Supervisors who will be acting as a fall protection Designated Competent Person	2 Years	ITAC, Chesapeake Region Safety Council (CRSC), 3M
<b>Hazard Communication</b>	All employees who handle or use hazardous chemicals	3 Years	Webnet Module - Hazard Communication 1 and 2
<b>Heat Illness Awareness and Prevention</b>	Employees who will be exposed to hazards associated with heat exposure (refer to Heat Safety Program)	Annual	Webnet module - Heat Related Illness Awareness
<b>Lockout Tagout - Affected Employees</b>	Employees who operate or work on/near equipment that could be locked/tagged out for service but do not perform LOTO or service on the equipment	Annual	Lockout Tagout (Webnet Module)

<b>Lockout Tagout - Authorized Employees</b>	Employees who will be performing lockout tagout operations and servicing locked/tagged out equipment	Initial, before work is assigned and annual review of procedures	UMBC Lockout Tagout for Authorized Employees (Webnet module)  Must participate in periodic (annual) lockout tagout procedure inspections
<b>NFPA 70E</b>	Employees who will be performing qualified electrical tasks where there is a hazard of shock, electrocution, arc flash, etc.	3 Years	TPC Training, E-Hazard, Chesapeake Region Safety Council
<b>Powered Industrial Trucks (Forklift)</b>	Employees who will operate powered material moving equipment (forklifts, powered pallet jack, tow motor, order picker, etc.)	3 Years	Contact ESH for guidance
<b>Respiratory Protection</b>	Employees who are required and authorized to wear a respirator under the Respiratory Protection Program	Annual	Webnet - Respiratory Protection

## Safety Training Guide For Research Areas

### General Lab Training

Course Title	Training Frequency	Training Platform
Hazard Communication - Modules 1 & 2	Every 3 years	Webnet or CITI
RCRA Hazardous Waste Awareness	Before initial assignment of lab duties	Webnet or CITI
Personal Protective Equipment	Before initial assignment of lab duties	Webnet or CITI
UMBC Lab Safety	Before initial assignment of lab duties	Webnet or CITI
Compressed Gas Cylinders	Before initial assignment of lab duties	Webnet

### Lab or Department-Specific Courses (as applicable based on research activity)

Course Title	Training Frequency	Training Platform	Scope/Applicability
Bloodborne Pathogens Awareness	Annual	Webnet or CITI	Potential for researcher exposure to blood or other potentially infectious material (human)
Respiratory Protection	Annual	Webnet	Annual training if required to wear a respirator - refer to UMBC Respiratory Protection Program
Electrical Safety	Annual	Webnet	If research activities involve potential exposure to electrical hazards
Machine Guarding	Annual	Webnet	Required if working with shop or makerspace tools, equipment, machinery
Laser Safety	Before initial assignment of lab duties	Contact ESH	Research activities involve laser generating equipment
Lockout Tagout	Annual	Webnet	Research involves potential exposure to hazardous energy, such as electrical energy, moving parts, stored energy, pneumatics, etc.
Radiation Safety	Before initial assignment of lab duties	Webnet	Research involves radioactive material or radiation generating equipment
UMBC Cleanroom Safety	Before initial assignment of lab duties	Webnet	Activities involve work or research in a cleanroom environment
UMBC Working Safely with Animals - Modules 1 & 2	Before initial assignment of lab duties	Webnet	Working with live animals such as in a vivarium as part of lab duties