

Training Matrix | Facilities Technology Institute Engineers

Name: _____ Job Title: _____ Year: _____

This matrix outlines the required and recommended environmental, health, and safety training for your job. Online training and registration for in-person training offered by Environmental Health and Safety can be found on [myHR Learn](#). Courses that are automatically assigned in myHR Learn are denoted with an asterisk.

Course	Regulatory Authority	Recommended or Required/Frequency	Completion Date
Asbestos	29 CFR 1910.1001	In-Person required for all initially and annually thereafter	
Back Injury Prevention		Online* required for all initially and periodically thereafter	
Behavior-Based Safety		Online* recommended for all initially and periodically thereafter	
Bloodborne Pathogens	29 CFR 1910.1030	Online* required for all initially and annually thereafter	
Cold Stress in the Workplace		Online* recommended for all initially and periodically thereafter	
Compressed Gas	29 CFR 1910.101	Online* required for all who use compressed gas initially and periodically thereafter	
Confined Spaces: Awareness	29 CFR 1910.146	Online* required for all initially and periodically thereafter	
Confined Spaces: Authorized Entrants, Attendants, and Supervisors (theory – classroom)	29 CFR 1910.146	In-Person required for all initially, conditionally (i.e., new job, responsibility, workplace changes, post-incident, and supervisor discretion), and every 3 years thereafter	
Control of Hazardous Energy (Lockout/Tagout)	29 CFR 1910.147	Online* required for all initially, conditionally (i.e., change in work assignment, machines/equipment, or LOTO procedure), and periodically thereafter; In-Person ¹ required for all and periodically thereafter	
Electrical	29 CFR 1910 Subpart S	Online* required for all initially and periodically thereafter	
Electrical Hazards and Safety		Online recommended for all initially and regularly thereafter	
Emergency Evacuations	29 CFR 1910.38	Online* required for all initially and annually thereafter; In-Person ² fire drills required at specific buildings annually and recommended at all others annually; In-Person ³ ad hoc training is available upon request	
Fall Protection: Awareness	29 CFR 1910.28	Online* required for all initially and periodically thereafter	

¹ Contact [Environmental Health and Safety](#) to schedule in-person training.

² Contact [Environmental Health and Safety](#) to schedule in-person fire drills.

³ Contact [Environmental Health and Safety](#) to schedule in-person ad hoc training.

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Course	Regulatory Authority	Recommended or Required/Frequency	Completion Date
Fall Protection: Authorized Person	29 CFR 1910.28	In-Person required for designated “authorized persons” initially, conditionally (i.e., new job, responsibility, workplace changes, post-incident, supervisor discretion), and every 3 years thereafter	
Fall Protection: Competent Person	29 CFR 1910.28	In-Person required for designated “competent persons” initially, conditionally (i.e., new job, responsibility, workplace changes, post-incident, supervisor discretion), and every 3 years thereafter	
Fire Extinguishers	29 CFR 1910.157	Online* required for all initially and annually thereafter; In-Person , hands-on required for all who perform hot work and recommended for all others initially and annually thereafter	
First Aid and CPR/AED	29 CFR 1910.151	In-Person ⁴ recommended for all (at department’s discretion) initially and every other year thereafter	
Flammable and Combustible Liquids	29 CFR 1910.39	Online* required for all initially and periodically thereafter	
Hand and Power Tools	29 CFR 1910 Subpart I	Online* required for all initially, when there’s a change in equipment, and periodically thereafter; In-Person ⁵ required for all initially and periodically thereafter	
Hazard Communication	29 CFR 1910.1200	Online* required for all initially, when there’s a new hazard, and annually thereafter; In-Person required for Hazard Communication Coordinators initially and annually thereafter	
Heat Illness Prevention		Online* required for all initially and periodically thereafter	
Hot Work Permit Requirements	29 CFR 1910 Subpart Q	Online required for all who review and approve hot work permits initially and periodically thereafter	
Incident Investigation		Online* recommended for all initially and periodically thereafter	
Industrial Ergonomics		Online* recommended for all initially and periodically thereafter	
Job Hazard Analysis		Online* recommended for all initially and periodically thereafter	
Laboratory Safety Awareness	29 CFR 1910.1450	Online ⁶ required for all who work in laboratories initially, and a refresher is required every 2 years thereafter	
Ladders	29 CFR 1910.23	Online* required for all who use ladders initially and annually thereafter	
Machine Guarding	29 CFR 1910 Subpart O	Online* required for all initially and annually thereafter	

⁴ Available from multiple sources, including [Research Safety](#).

⁵ Certain tools (e.g., powder-actuated tools) require specialized tool-specific training, which is often times provided by the manufacturer. Contact [Environmental Health and Safety](#) for more details.

⁶ Contact [Research Safety](#) for details.

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Course	Regulatory Authority	Recommended or Required/Frequency	Completion Date
Mobile Elevated Work Platforms (MEWPs)	29 CFR 1910 Subpart F	Online* and In-Person ⁷ required for all who operate MEWPs initially and every 3 years thereafter; Online recommended for all others who work in close proximity to MEWPs initially and periodically thereafter	
Mold and Mildew Awareness		Online* required for all initially and periodically thereafter	
Occupational Noise Exposure	29 CFR 1910.95	Online* required for all initially and annually thereafter	
OSHA 10-Hour General Industry	29 CFR 1910	In-Person recommended for all initially	
Overhead and Gantry Cranes and Hoists	29 CFR 1910.179	Online* required for all who operate cranes and hoists initially and regularly thereafter	
Pallet Jacks	29 CFR 1910.178	Online* and In-Person ⁸ required for all who operate a pallet jack initially and every 3 years thereafter	
Pedestrian Safety Around Forklifts	29 CFR 1910.178	Online* recommended for all initially and periodically thereafter	
Personal Protective Equipment	29 CFR 1910 Subpart I	Online* required for all initially, when there's a change in PPE use, and periodically thereafter	
Respirable Crystalline Silica (RCS)	29 CFR 1910.1053	Online* required for all with potential exposure initially and periodically thereafter, and recommended for all others initially and periodically thereafter	
Resource Conservation and Recovery Act	40 CFR 239-282	Online* required for all initially and annually thereafter; In-Person required for all who coordinate hazardous waste pick-up sites initially and annually thereafter	
Respiratory Protection	29 CFR 1910.134	Online* required for all initially and annually thereafter; In-Person ⁹ required for all who wear a respirator initially, any time there's a new hazard, and annually thereafter	
Scaffolds	29 CFR 1910.28 refers to 29 CFR 1926.451	Online* required for all initially and periodically thereafter	
Slips, Trips, and Falls	29 CFR 1910.22	Online* recommended for all initially and periodically thereafter	
Welding, Cutting, and Brazing (Hot Work)	29 CFR 1910 Subpart Q	Online* required for all who operate welding, cutting, or brazing equipment initially and periodically thereafter	

⁷ Contact [Environmental Health and Safety](#) to schedule train-the-trainer training, if your department does not already have a designated trainer for the in-person training.

⁸ Contact [Environmental Health and Safety](#) to schedule in-person training.

⁹ Contact [Environmental Health and Safety](#) to schedule a medical evaluation and/or respirator-specific training/fit testing.