

ARC Flash Safety Training

written by Lauri Moon | May 8, 2025



ARC Flash Safety Training

(4-hour, in-person, Williamsport, PA)

This program starts in:



Electrical power is a potentially dangerous force and requires proper training to understand how to work with it safely in manufacturing operations. In this workshop, participants will learn to understand the OSHA requirements related to ARC Flash Safety, how to recognize potential hazards, and ways to minimize and prevent exposure to ARC Flash dangers through safe work practices.

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person!

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Learning Objectives:

- Understand the causes of ARC Flash events, their hazards and impacts.
- Learn to recognize potential exposure to ARC Flash and how to mitigate risk.
- Learn the critical safety requirements, key elements, and responsibilities of an effective ARC Flash safety program.

Workshop Outline:

- Introduction
 - Pre-test, definitions, etc.
 - Arc Flash Risks, Causes of Events
- Electrical Arcs
 - Hazards, Other Impacts, Exposure
 - Precautions Working with Live Electrical Energy
- Isolating Sources of Energy (electric) While Servicing (Lock Out/Tag Out)
 - Employer and Employee Responsibilities
 - Essential Elements of an Arc Flash Safety Program
 - Hazard Approach Boundaries, Warning Labels
- Critical Electrical Safety Requirements of CFR 29 1910.333 and NFPA 70E
 - Regulatory References - Arc Flash NFPA 70E 2018, 2021 & 2024
 - Electrical Disconnect, PPE Categories and Requirements
 - Electrically Safe Work Conditions & Work Practices
- Summary - Final Q & A, Pre-test Review

Who Should Attend?

Arc Flash Safety training should be attended by individuals who are either directly working with or are exposed to electrical systems. In particular: Electricians, Maintenance Technicians, Electrical Engineers, Supervisors of Electrical Work,

Machine Operators, Facilities/Plant Managers, Safety Officers/EHS Personnel.

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Your Presenter:



Scott Witmer

Owner & Principal Solutions Provider | EMS Consulting

Scott Witmer is an accomplished consultant and industry leader with over two decades of experience in Environmental, Health, and Safety (EHS), operations, and sustainability. As the Owner and Principal Solutions Provider at EMS Consulting, Scott delivers strategic guidance in energy, materials, and sustainability, leveraging a deep background in aerospace manufacturing and environmental compliance. With more than 20 years as an EHS professional and serving on executive leadership teams, Scott brings a well-rounded perspective on operational excellence. His expertise spans machining, manufacturing engineering, and maintenance, with a Green Belt certification and recognition from the Shingo Prize for Operational Excellence.

Scott holds both Bachelor's and Master's degrees in Environmental Science with a focus on Pollution Control. His technical proficiency includes managing compliance with major environmental permits (air, water, waste, and storage tanks), operating complex wastewater treatment systems (including electroplating), and overseeing Superfund site remediation. Scott has led comprehensive OSHA-compliant programs for large manufacturing facilities. His leadership contributed to earning the Pennsylvania Governor's Award for Safety Excellence and National Safety Council

Achievement Awards for surpassing one million hours without a lost-time accident. He has also championed initiatives recognized with Healthy Workplace Awards.