

## Lightning Protection Installation Training

Course By: Mark S. Harger  
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**Number of Participants:** Up to maximum of 16

**Number of Course Hours:** 12

### **Course/Presentation Description:**

This course will provide the basic requirements of how to properly install a complete lightning protection system including the requirements of the nationally recognized standards for lightning protection NFPA 780.

**Section 1: Introduction to Lightning Protection** = Definition of a lightning protection system and it's four main components, Relevant Standards, Materials, UL Markings, Corrosion Protection

**Section 2: Ground Work** = Ground work aspect of a lightning protection system, Key Definitions, Requirements, System Components, Suggested Tools and Critical Points

**Section 3: Down Conductors & Bonding** = Down conductors and related bonding aspects of a lightning protection system, Key Definitions and Requirements, Techniques and Installation Practices, Critical Points

**Section 4: Rooftops** = Roof Types, Zone of Protection, Components used on rooftops, Suggested Tools, Critical Points

**Section 5: Concealed Systems** = Concealed Systems Installation Guidelines, Structural Steel Systems Installation Guidelines

**Section 6: Bonding Requirements & Potential Equalization** = Bonding of Metal Bodies, Potential Equalization

**Section 7: Surge Protection Devices** = Definitions, Power Service Entrances Requirements, Communications Surge Protection Requirements, Installation Requirements

**Section 8: Project Management** = Bidding Process, Submittal Process, Installation, Certification Process, Maintenance Programs

**Section 9: UL Listed LP Installer** = What it means to be a UL Listed Installer, UL Master Label Certificate, How to Become a UL Listed Installer, Requirements, Fees, Benefits to Using Harger