

ULPA YEAR 1 APPRENTICESHIP SYLLABUS

About This Course

During this course, you will learn the basics of lightning protection systems by learning about commonly used terms, standards to follow, and much more. While working through the sections, you will use lessons from industry experts and your growing experience to demonstrate your knowledge. This course aims to prepare you best for the ULPA Basic Concepts and Principles Test to better your growth and career in the Lightning Protection Industry. Please read through this syllabus to better understand the requirements and expectations for this course,

Lesson Modules:

Each topic is broken down into different modules. You may work through the modules in any order. For the following modules, you will find a lesson, or practice, and a quiz. You are required to complete the lesson and then take the quiz. The quiz is untimed, and there is no limit to the number of times a quiz can be taken. When quizzes are submitted, your grade will immediately appear, and any incorrect answers will be marked. You must receive a score of at least 70% to pass each quiz and the Final Exam.

- Construction Terms
 - Lightning Protection Terms
 - Materials and Equipment
 - Hand/Power Tools
 - Blueprints
 - NFPA 780
 - UL 96A
 - LPI Standards
 - Installation Drawings
 - Lightning Protection Installation
 - Grounding Installation
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Completion Modules:

Modules based on completion include training, experience, and certifications. You will be asked to upload evidence of completion to pass these modules.

For in-house training and experience, you must download the certificate and have your employer sign off on it. Once the certificate is complete, upload a copy to the assignment.

Training that cannot be completed in-house must be arranged with your employer. If a certificate is received upon completion, upload it to the assignment. If no certificate is given, download the provided one or upload a photo of evidence of completion.

Any certifications earned during this first year need to be uploaded.

You cannot access the final exam until all certificates and certifications are uploaded.

Final Assessment/Course Completion

The Final Exam will be unlocked once you have completed all quizzes and assignments. Once you pass it with a score of at least 70%, you will receive a course completion certificate and be eligible for enrollment in Year 2!

Course Overview

The following tables outline everything that must be completed before taking the final exam. You may use these as a checklist or time management tool. The first three checklists are safety training, certifications, and employer sign-offs that should be completed throughout the first year and alongside the lesson modules.

	Safety Trainings
	Horizontal Lifeline
	Fall Rescue
	Job Hazard Analysis
	Harassment
	Drug and Alcohol Abuse
	Introduction to Safety and PPE
	Weather Safety
	GHS/SDS
	Safe Digging/811

	Certifications
	OSHA 10
	Exothermic Welding

	First Aid/CPR
	Basic Fall Protection
	Basic Ladder Safety

	Experience (Employer Sign-Off)
	Company Safety Training
	Onsite Safety Meetings
	Site Clean-Up and Work Area Training
	Use of PPE
	Use of Ladders/Tie Offs
	Use of Fall Protection
	Use of Hand Tools
	Use of Power Tools
	Install of Roof Circuit
	Pitched Roof Installation
	Flat/Multi-Level Roof Installation
	Irregular/Domed Roof Installation

Course Overview

The following table outlines each lesson module quiz that will be taken.

	Quizzes
	Construction Terms
	Lightning Protection Terms
	Grounding Terms
	Materials and Equipment
	Hand and Power Tools
	Blueprint Reading
	NFPA 780
	UL 96A
	LPI-175
	Installation Drawings
	Performance Based Training
	Grounding Installation
	Ladder Safety
	Fall Protection