

Course Name: Advanced Electrical

Hours to complete: 1.00

CEUs: 0.20

Description:

In this video course from the AIMS 2020 Safety Seminar Series, learners will review three phase power. Learners will define how transformers, circuit breakers, voltage drop, and wirings apply to the amusement industry. Participants will learn how about electrical loads and VFDs and lastly review demonstrations and view examples of each concept during the course to practice critical thinking skills with each concept introduced.

Audience:

This program is designed for ride owners/operators, maintenance, inspectors and other amusement personnel who require continuing education and training for maintaining their certification to work in their respective positions per AHJ regulations and/ or company policies. This program is also ideal for individuals wishing to remain current on latest industry trends, standards and best practices applicable to their day to day job duties as it relates to their role.

Specific target audience includes:

Ride device, water slide, water attractions, trampoline and adventure course inspectors

Ride device, water slide, water attraction, trampoline and adventure course maintenance personnel

Ride device, water slide, water attractions, trampoline and adventure course owner/ operators

Ride device, water slide, water attractions, trampoline, and adventure course management

Amusement manufacturers for ride devices, water slides, water attractions, trampoline and adventure courses

Prerequisites:

Participants enrolling in this course:

- Must have access to a mobile device or computer with connectivity to the internet for viewing the content within the learning management system.
- Must log in with their unique email and password credentials to access their course materials.
- Must have access to a stable, high speed Internet connection for optimal viewing of the content to minimize potential for buffering of multimedia in learning programs.
- Ideally learners should possess some basic electrical training to be successful in the program.

Evaluation:

Successful course completion includes:

- Review of the module content in its entirety
- Successful completion of the module quiz
- Completion of the module course evaluation survey.

Upon successful completion of all modules, participants must complete the course survey and then will have access to download their credentials and any associated CEUs.

Outcomes:

Participants in this course will

Review three phase power electricity.

Define how transformers, circuit breakers, voltage drop and wirings work in the amusement environment.

Be introduced to electrical loads and how to use a VFDs

Review examples of transformers, circuit breakers, different types of wirings, electrical loads and VFDs.

Expectations:

Students will watch a learning module of content from the AIMS 2020 Safety Seminar video series and complete the assessment quiz at the end of the module.