

Electrical Safety Training System (ESTS) Electrical Worker 2021 – USA, NFPA 70E Arc Flash & Shock

The 2021 version of our ESTS electrical safety arc flash & shock course is NFPA 70E-21 and OSHA compliant and was developed for workers who perform energized electrical work. The course content was developed using industry-accepted best practice standards to meet state and federal regulatory due diligence for arc flash and shock.

The ESTS Electrical Worker Arc Flash & Shock training course focuses on workplace electrical safety and the identification of the electrical hazards of arc flash and shock against an assigned energized electrical work task following a defined workflow process. Justification for energized electrical work is reviewed. Completing a Risk Assessment Procedure and the application of the Hierarchy of Risk Control Methods to reduce risk are emphasized. Additional protective measures including defining Approach Boundaries, the selection of appropriate Electrical Specific PPE, Tools & Equipment with proper pre-use checks/inspection, care, use and maintenance, and content related to utilizing appropriate work practices/procedures are provided.

ESTS Electrical Worker training is based on industry Standards and Regulations, providing documentation tools in support of the employer's overall Occupational Health & Safety Management System and an Electrical Safety Program. Employers are required to have an updated Electrical Safety Program based on industry Standards and Regulations for workers to receive the most benefit from this course.

Combined with educational best practices including Bloom's Taxonomy of Learning, allowing learners to learn through visual, audio, and kinetic means. Heinrich's Triangle of Preventing Industrial Accidents is also utilized to interpret and manage risk.

Learners will find training content is comprehensive and detailed, using interactive elements to help the student learn the concepts of how to apply the training in the field. Training is delivered from a first-person perspective and focuses on worker and supervisor relations. Additional videos and a 3D Virtual Electrical Workplace is used to illustrate the concepts.

Students who score 80% or greater earn their training certificate and can apply for 0.6 Continuing Education Units (CEUs). Final assessment questions are fully randomized so workers never have the same questions.

Learning Objectives for Qualified Electrical Workers

- Explain the Regulations and Standards applicable to their role and responsibilities.
- Identify and understand the electrical hazards and risk assessment.
- Effectively manage electrical hazards by following the Work Flow Process to safely execute energized electrical work.

- Learn how to complete an Arc Flash Risk Assessment and Shock Risk Assessment as part of an overall Risk Assessment Procedure (RAP).
- Apply preventive and protective control measures to reduce risk by understanding and applying the Hierarchy of Risk Control Methods.
- Gain a comprehensive understanding of Electrical Specific PPE, Tools & Equipment.
- Understand electrical incident emergency response and incident reporting requirements.

Updated Features - 2021

- BRAND NEW fully updated and rebuilt course
- NEW - Responsive design for all your digital platforms including laptops, tablets, and mobile phones
- NEW - Custom scenario illustrations
- NEW - Learner Verified™ Compatible

Updated Technical Features - 2021

- Significant changes to the Arc Flash Risk Assessment content - now includes two updated individual risk assessments
- Upgraded use of video and additional images to enhance practical in-the-field learning and application
- Updated course from a technical view to a more immersive first-person perspective with the Work Flow Process
- Content is now focused on interactions between employer/supervisors and employees

Course Outline

- **Module 1:** Introduction
- **Module 2:** Regulations, consensus-based standards and best practices
- **Module 3:** Roles and responsibilities
- **Module 4:** Understanding electricity in the workplace
- **Module 5:** Electrical Hazards
- **Module 6:** Risk assessment procedure
- **Module 7:** Establishing and verifying an electrically safe work condition
- **Module 8:** Engineering and administrative controls
- **Module 9:** Electrical-specific PPE, tools, and equipment
- **Module 10:** Selection of PPE, tools, and equipment
- **Module 11:** Electrical specific PPE, tools, and equipment management
- **Module 12:** Emergency response, incident reporting, and electrical safety program maintenance
- **Final Exam and Work Task Scenarios**

Length: 6 hours

Language: English

Certification: Yes

Mobile Friendly: Yes

Digital Badge: Yes