



Certified Flame Resistant Clothing Specialist (CFRCS)

Course Length: 1 Day CEU's 0.6

Course Fees: \$295.00

Professional Credential: **Certified** Flame Resistant Clothing Specialist (CFRCS)

Note: Refresher certification is required every three years to maintain professional credential.)

Course Introduction:

According to OSHA "Flame-Resistant (FR) Clothing is required under 29 CR 1910.132 and is also mentioned in other sections of the OSHA standards. Flame Resistant clothing is used in the petroleum industry, electrical industry and other types of industries where there is a danger of a worker being injured by the various types of hazards. These hazardous areas include electrical, petroleum, dust.

In the electrical field, electric arcs pose some of the most serious safety hazards for electric power industry workers. Arc blast or flash hazards include high temperatures (hotter than the surface temperature of the sun) over short periods of time (fractions of a second), hot gases, an intense pressure wave from the explosion (like having a hand grenade explode inches away), and shrapnel from vaporized and molten metal particles. Arc-related injuries can range from minor to severe burns, blindness, hearing and memory loss from the pressure wave, broken bones, or death.

Course Description

Attendees will understand the dynamics and dangers of an electrical arc flash, hydro-carbon flash fires and the potential injury and cost of those injuries. The course will cover many of the latest topics and information on the performance of proven Flame-Resistant garments available today. This presentation is designed to inform the attendees on the options available in Flame-Resistant market today for Arc Flash and Flash Fire protection. Attendees will be able to differentiate between Arc Flash and Flash Fire markets and "how to sell" into each.

Course Topics:

- Attendees who successfully complete this course will be able to:
- Understand the dynamics and dangers of an Arc Flash and Flash Fire events
- Recognize the costs associated with burn injury
- Understand latest Flame-Resistant fabrics technology
- Understand the technical terms surrounding Flame-Resistant Clothing
- Recognize the difference between Flame-Resistant clothing and every day work wear
- Understand the different FR Clothing markets
- Understand “how to sell” into core markets

Review NFPA 70E, NFPA 2112 and 2113 FR Clothing criteria and be familiar with terminology

Who Should Attend This Course:

- Electrical Engineers,
- Safety Managers,
- Safety & Health Committee Members
- Electricians,
- Electrical Contractors,
- Electrical inspectors,
- Project managers, Safety & Health Committee Members
- Industrial Hygienist
- Environmental Professionals
- Risk Managers,
- Plant Managers,
- Facility Maintenance Personnel and Others

- **Testing:**

A score of 80% on the final exam is necessary to receive your personalized certificate of completion. The student gets three (3) attempts to pass the course

