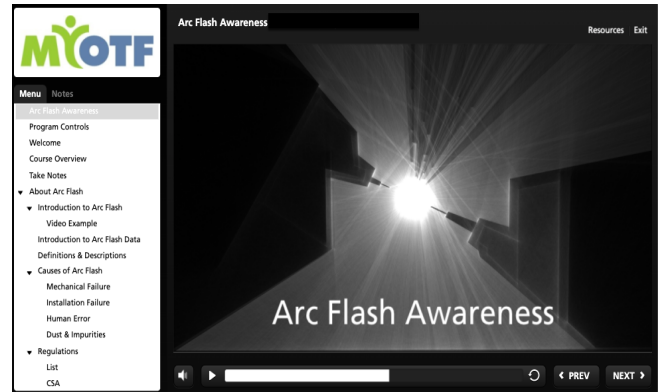


About this Course

Usually when we hear about burns from electrical accidents, we think that the burns are from the electricity moving through the victim's body. In fact, most burn and tissue damage that is caused during electrical incidents is a result of the arc flash that is created. This course will provide an overview of the hazards associated with arc flash events and provide you with an understanding of how to protect yourself from electrical dangers.

This awareness module is compliant to the CSA Z462-08 Workplace Electrical Safety Standard. The average student will require approximately 45 minutes to complete both the course and quiz.



Course Outline

About Arc Flash

- Introduction to Arc Flash
- Definitions & Descriptions
- Causes of Arc Flash
- Regulations

Hazards of Arc Flash

- Factors Affecting the Severity
- Primary Hazards
- Secondary Hazards

Qualified Worker

- Defining and explaining what a qualified worker is
- Explaining the limits of approach and electrical shock boundaries
- Reviewing the potential reach and boundaries for arc flash events

Identification & Control

- Arc Flash Hazard Analysis
- Risk Categories
- Permits
- Labelling

Protective Equipment

- Classification of Personal Protective equipment
- Proper Tool Selection
- Equipment selection guidelines

Prevention

- Safe Work Methods
- Equipment Design
- Maintenance Programs
- Drawing Design and Maintenance

Mastery Quiz (80% to pass)

Verification Techniques Employed

- ✓ **Identity:** Unique usernames and passwords.
- ✓ **Security:** Bank-level encryption.
- ✓ **Certificate Verification:** Certificates contain a verification code that can be checked on MyOTF.com.