



### Course Goal

To understand the principles of temporary horizontal lifeline systems application and to demonstrate an ability to set up and identify the usage requirements of a system.

### Course Assessments

Students will need to meet the following objectives to earn a certificate of completion in this course. Should a student miss one or more objectives, they may need to re-take the course in its entirety before being eligible to receive a certificate.

1. Complete all challenge questions and workbook exercises.
2. Properly perform at least one of the following system installation workshops:
  - Workshop #1 — Retractable cable system
  - Workshop #2 — Steel cable and stanchion system
  - Workshop #3 — Rope system
  - Workshop #4 — Web system
  - Workshop #5 — Cable system
3. Achieve a minimum of 70% on the closed book written test.

### Learning Objectives

#### Horizontal Lifeline Fundamentals

1. Understand the application of horizontal lifelines.
2. Identify essential design factors.
3. Review the main components of these systems.
4. Discover the different materials used for lifelines.
5. Understand the purpose and types of stanchions.
6. Learn about horizontal lifeline span configurations.
7. Comprehend the forces associated with horizontal lifelines.

#### System Specifications

1. Identify the applicable horizontal lifeline regulations.
2. Appreciate the importance of the manufacturer’s written instructions.
3. Comprehend the requirements of horizontal lifeline anchor points.
4. Understand the value of energy absorption for these systems.

#### System Usage

1. Understand capacity ratings for horizontal lifeline systems.
2. Identify different connectors used to attach to the lifeline.
3. Comprehend free fall distances for these systems.
4. Learn how to determine clearance requirements.

#### System Care

1. Understand equipment inspection requirements.
2. Comprehend fundamental maintenance principles.
3. Comprehend fundamental storage principles.

#### System Installation Workshops

1. Understand basic system installation guidelines
2. Perform one or more of the following installation workshops
  - Workshop #1 — Retractable System
  - Workshop #2 — I-Beam System
  - Workshop #3 — Synthetic System
  - Workshop #4 — Synthetic Web System
  - Workshop #5 — Cable System