



# Course Outline

## Industrial Rescue

### Authorized Rescuer

IRL1 / 8 hrs Course #6444

V2.0-2023.01.31

### Course Start

#### Course Introduction

(30 minutes)

- 1.1 Instructor Introduction
- 1.2 The Purpose of the Course
- 1.3 Course Requirements
- 1.4 Course Completion
- 1.5 Student Record

#### Rescue Fundamentals

(45 minutes)

- 2.1 Rescue Types
- 2.2 Regulatory Requirements
- 2.3 Company Program
- 2.4 Suspension Trauma
- 2.5 Human Dynamics
- 2.6 Rescue Planning
- 2.7 Understanding Your Role
- 2.8 Scene Assessment
- 2.9 Communication

#### Rescue Equipment

(20 minutes)

- 3.1 Personal Rescuer Equipment
- 3.2 Rescue Equipment Essentials

### 15-Minute Break

#### Workshop #1 Essential Rescue Skills

(130 minutes)

- **Personal Fall Arrest System**  
Students are challenged to properly don a full body harness and select proper connectors for rescuer applications.
- **Creating Rescue Anchor Points**  
Students are challenged to construct appropriate anchor points which could be used for either fall protection or rescue systems.
- **Climbing Flexible Rescue Ladders**  
The instructor will demonstrate proper climbing techniques and provide students an opportunity to develop this skill.
- **Rescue Poles**  
The instructor will demonstrate the usage of the rescue pole and provide students an opportunity to develop this skill.
- **Gearing Assisted Systems**  
The instructor will demonstrate the usage of a gearing assisted device and provide students an opportunity to operate the system.
- **Block and Tackle Systems**  
The instructor will demonstrate the usage of a block and tackle system and provide students an opportunity to operate the system.

### 45-Minute Break/Lunch

#### Rescue Techniques

(15 minutes)

- 4.1 Risk Management
- 4.2 Rescue Categories
  - Self-Rescue
  - Rescuer Operated
  - Rescuer Connected

#### Workshop #2 Self-Rescue Techniques

(45 minutes)

- **Rescue Ladders**  
Students will observe an instructor-led demonstration of the ladder rescue technique and will be provided with guided practice opportunities to learn this self-rescue method.
- **Auto Descent Systems**  
Students will observe an instructor-led demonstration of an auto descent system and will be provided with guided practice opportunities to learn this self-rescue method.
- **Technique Considerations**  
The instructor and students will review various considerations of the self-rescue techniques presented.

### 15-Minute Break

#### Workshop #3 Rescuer Operated Techniques

(90 minutes)

- **Gearing Assisted Systems**  
Students will observe an instructor-led demonstration of the gearing assisted technique and will be provided with guided practice opportunities to learn this rescuer operated method.
- **Block and Tackle Systems**  
Students will observe an instructor-led demonstration of the block and tackle technique and will be provided with guided practice opportunities to learn this rescuer operated method.
- **Technique Considerations**  
The instructor and students will review various considerations of the rescuer operated techniques presented.
- **Technique Variations**  
The instructor will guide students through the set-up and execution of the following variations to the rescuer operated techniques.
  - Over the Edge
  - Directional Change
  - Tag Lining
  - Angled Descent

#### Summary and Review

(30 minutes)

- 5.1 Key Learning Concepts
- 5.2 Building a Rescue Kit