



# Permit Required Confined Space Work & Rescue For Industry - 16 hr. Course Overview

[www.satrapros.com](http://www.satrapros.com)

(313) 415-4658

This class goes further in depth than the 8 Hour Confined Space Entry / Rescue class. It offers scenarios with increased technical complexity, patient packaging and patient packaging which are not covered in the 8 hour class.

## Who should attend:

Employees who perform duties in and around confined spaces (such as chemical manufacturers, water treatment facilities, power generation facilities, turbine repair)

There are NO pre-requisites for this class.

## Students will:

Become aware of the hazards of confined spaces, allowing them to keep themselves and coworkers safe.

Understand the roles of Supervisor, Attendant, and Entrant in a confined space entry team.

Be qualified to operate as part of a confined space rescue team.

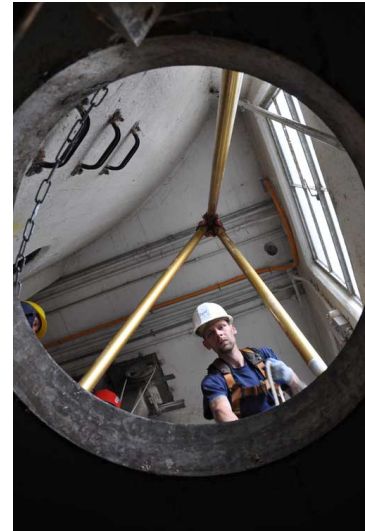
Actively participate in hands-on exercises as part of a confined space entry team performing the roles of Supervisor, Attendant and Entrant.

Actively participate in hands-on exercises as part of a confined space rescue team.

## Class Length & Structure

16 hours of training time (scheduled over 2 - 9 hour days)

- 4 hrs. Interactive Classroom Presentation and hands on activities
- 12 hrs. Hands-on Exercises
- 1 hr. Lunch Break each day



## Standards This Class Meets

### OSHA:

1910.146 Confined Space Standard

1910.147 Lock out, Tag out Standard

1910.38 Emergency Action Plans

### NFPA:

1670 Rescue Teams

1006 Technical Rescuer Qualifications

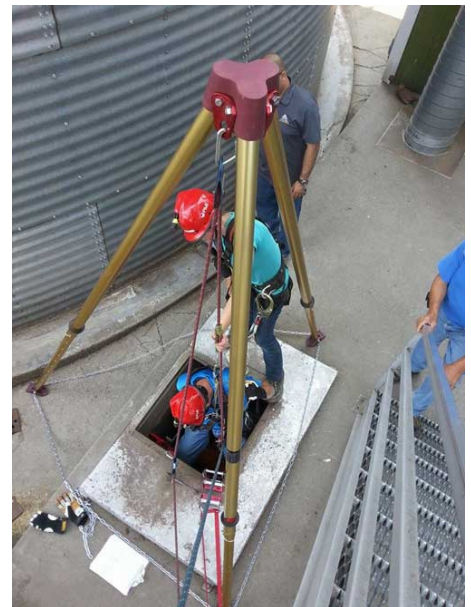
### ANSI:

Z359 Fall Protection Code

## Topics Covered

Classroom materials are presented through lecture, Power Point presentation and hands on activities. A strong emphasis is placed on safe work practices.

- Detecting and mitigation atmospheric hazards
- Lock out, tag out procedures
- Assembly and use of an entry life line
- Confined space entry procedures
- OSHA regulations relating to confined spaces
- Training requirements
- The need for rescue services when making confined space entry
- Other hazards inside a confined space
- Air monitoring
- Selection of proper anchor points
- Communications during entries
- Equipment needed for entry and retrieval
- Fall protection, fall prevention and the difference between them
- Harnesses and their use and care
- Roles of a confined space team Entrant
- Roles of a confined space team Attendant
- Roles of a confined space team Supervisor
- Entries into vessels, tanks, boilers, chemical storage tanks, fermentation tanks
- Patient packaging & handling
- Patient removal from a confined space



## Hands-On Exercises

These exercises put into play all the safety practices taught during the classroom session. They are designed to be as real life as possible. Use of confined spaces on your site gives the students a sense of actual conditions and challenges they could encounter.

### Confined space entry and exit scenarios

These exercises use a variety of confined space at your facility.

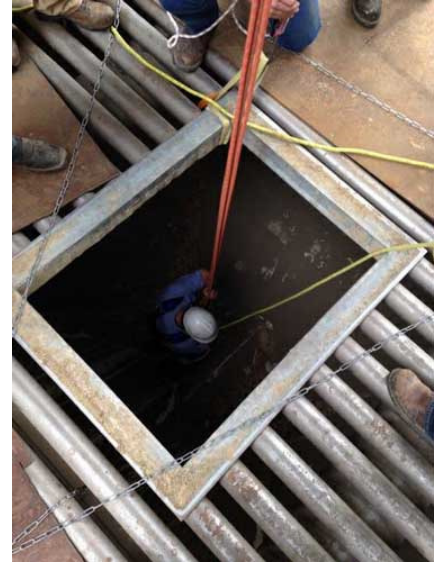
Students fill the roles of a confined space entry and rescue team.

They practice the use of proper equipment, complete an appropriate entry permit, monitor the space for hazards, document entry times, make entry, exit, and rescue of an incapacitated worker.

The scenario is repeated several times utilizing various spaces to add a degree of complexity and technical difficulty with each evolution.

Components taught during hands-on exercises:

- Harness use & inspection
- Tripod rigging
- Basic movements using a tripod
- Raising and lowering of entrants
- Atmospheric monitoring
- Hazard recognition
- Lock out, tag out
- Communications
- Patient packaging and handling
- Challenges of moving a rescuer and victim through a confined space that may involve areas such as transitions, openings ladders, and cat walks.





## Equipment / Supplies Needed

**DO NOT** purchase new equipment in preparation for training.

Information provided during training will allow you to make informed purchasing decisions, get hands-on time with the products you are considering, and get the most from your equipment budget.

### Students:

- Any protective clothing or equipment that is normally required by the facility being used for hands-on exercises.
- If the facility does not dictate protective equipment, we suggest clothing that covers your legs and work boots. Unless dictated by the facility work boots do not need to be steel reinforced.
- Flashlight- suggested
- Hard hat- suggested
- Gloves- suggested
- Students are encouraged to bring their harnesses for evaluation for fit form and function.

### Facility:

- Classroom space & seating for students. Classroom areas that have electrical power, projector and screen available are preferred, but not necessary.

*Suggested locations: church, community center, fire department apparatus bay, high school auditorium.*

- Access to a facility with various confined space area to be used for hands on exercises.

*Suggested locations: water treatment plants, commercial facility, industrial machine or equipment space*

### SATRA Provides:

- All classroom materials
- All ropes, harnesses and ancillary equipment for hands-on exercises.
- An appropriate number of instructors to ensure safe practices during the live simulation.



## Certification

Upon successful completion of this course students receive certification.

Annual recertification is required.



To learn more or  
schedule a class  
call (313) 415-4658  
email [bharp@satra.us](mailto:bharp@satra.us)