

**Prerequisites:** This course shall have no formal pre-requisite.

**Course Length:** 1-2 hours – Course length shall vary depending on the number of delegates.  
Total course time includes breaks.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session.

### Course Objective

- Provide delegates with the information needed to successfully wear respirators.
- Provide delegates knowledge about the requirements of a respiratory protection program.
- Address different types of respirators and their use.
- Address inspection, maintenance, and storage requirements.
- Delegates should be able to demonstrate knowledge during written examination.

### Course Design

- Power Point© / Lecture / Audio Video / Visual Aids
- Demonstrations

### Successful Course Completion

- Requires a minimum score of 75% or better.
- Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- Delegates will have no more than thirty (30) minutes to complete the exam.

### Course Content Summary

- Classroom

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 Hour (if applicable)

### Course Outline

#### Respiratory Protection

- Regulations
- Key Term
  - Immediate Dangerous to Life and Health (IDLH)
- Respiratory System
  - Diaphragm
  - Trachea
  - Bronchi
  - Alveoli



- Health Effects of Respiratory Exposure

- Acute vs. Chronic

#### Respiratory Protection

- Common Effects from Respirator Use
- Why Wear a Respirator?
- Breathing Air Composition
- Employee Control Measures
  - Engineering Controls
  - Administrative Controls
  - Personal Protective Equipment
- Employer Responsibilities
- Respiratory Protection Program Requirements
- Employee Responsibilities
- Types of Respirators
  - Air Purifying
  - Supplied Air
    - Self-Contained Breathing Apparatus (SCBA)
    - Atmospheric Supplied Air
    - Cascade Systems
    - Escape Packs
- Fit Testing
  - Quantitative
  - Qualitative
  - Medical Requirements
- Respirator Usage
- Respirator Inspection
- Proper Donning/Doffing
- Respirator Maintenance
- Respirator Storage

#### Practical Session

While there is no practical session for this course, employers commonly include a Respirator Fit or Pulmonary Function test as a preparatory step prior to deployment of a worker.

#### Training Center Provided Material

- None

#### Delegate Requirements

- None

#### Reference Material / Documents

OSHA 29 CFR 1910.134