

JRYM 427E: RESPIRABLE CRYSTALLINE SILICA TRAINING/RESPIRABLE CRYSTALLINE SILICA COMPETENT PERSON

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Spring 2026
Units:	0
Hours:	1-4 hours lecture total per quarter.
Prerequisite:	This course is limited to students employed with Cupertino Electric.
Degree & Credit Status:	Non-Degree-Applicable Non-Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Non-Credit Course (Receives no Grade)
Repeatability:	Unlimited Repeatability

Student Learning Outcomes

- Assess construction tasks to anticipate potential silica exposure levels
- Implement a Written Exposure Control Plan (WECP) in compliance with OSHA 1926.1153
- Select engineering and administrative controls to eliminate or reduce silica dust
- Verify the proper use of respiratory protection equipment for affected workers

Description

This course covers topics related to the elements of the CEI Respirable Crystalline Silica Program, including health hazards, sources of possible exposure, and control measures.

Course Objectives

The student will be able to:

1. Recognize silica hazards, follow required protective measures, and support compliance with CEI and regulatory standards.
2. Assess silica risks and apply effective exposure controls when needed.

Course Content

1. 3 hours training for Respirable Crystalline Silica Competent Person
 - a. Understanding respirable crystalline silica hazards and health risks
 - b. Regulatory requirements for Written Exposure Control Plans (OSHA 29 CFR 1926.1153)

- c. Evaluating work tasks and environments for potential silica exposure
 - d. Anticipating exposure based on site-specific conditions and activities
 - e. Selecting and implementing engineering and administrative controls
 - f. Appropriate use of respiratory protection
 - g. Documenting and updating the WECP
 - h. Training and communication responsibilities
 - i. CEI's roles and procedures for silica exposure prevention
2. 1 hour training for Respirable Crystalline Silica
 - a. Shorter version of Respirable Crystalline Silica Competent Person training

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. When taught in person, this training must be conducted in a clean classroom with internet access, necessary hardware and software, and course materials, if applicable.
2. When taught online, this course requires access to CEI's Learning Management System (Amplify), continuous access to a computer with the necessary software and hardware to view video content, and a reliable intranet connection.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Quiz

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture

Representative Text(s) and Other Materials

CEI EH&S program and applicable Fed/OSHA and/or Cal/OSHA standards, provided by Cupertino Electric.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

No assignments.

Discipline(s)

Electricity