

Refinery Craft Specific Safety Training Syllabus

Time: 8 hours

Maximum Class Size: 20

Prerequisites: None

Course Description: In this 8-hour course, participants will learn the specific work being performed by various trades working in the refinery. They will also be able to describe the PPE required for those working in a refinery. Working safely alongside other crafts and recognizing the similar and dissimilar risks associated with each craft is the focus of this course. The interdependency and relationships between the crafts, stacked work, dissimilar trades working near each other, job sequencing and barricading will be addressed. Craft hazards for Boilermakers, Electricians, Insulation Workers, Riggers, Scaffold Builders, Safety Attendants, Asbestos Abatement Workers and Structural Steel and Iron Workers are included.

Goals/Objectives/Student Learning Outcomes:

1. Identify 3-4 types of PPE used in refinery work.
2. Identify 2-3 hazards associated with different crafts/trades common to refinery work tasks.
3. Explain what "SIMOPS" are and the different hazards involved.
4. Explain the difference between *risk* and *hazard*.
5. Describe 2-3 risks associated with refinery work.
6. Define the differences between hard trades, soft trades and support crafts.
7. Explain Stop Work Authority

Standards Addressed

- OSHA 29 CFR 1926.28: Personal Protective Equipment
- General Industry Safety Order 5189.1: Process Safety Management for Oil Refineries
- General Industry Safety Order 3314: Control of Hazardous Energy
- OSHA 29 CFR 1910.252(a): General Requirements-Fire Prevention and Protection

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am

Refinery Craft Specific Safety Training Syllabus

- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- *LTS Refinery Craft Specific Safety Training Student Handout Packet*
- *LTS Refinery Craft Specific Safety Training Student Handout Packet Instructor Version*
- *LTS Refinery Craft Specific Safety Training PowerPoint*
- IT1: Photos of SIMOPS
- IT2: PPE/Hazards Flashcards
- IT3: SIMOPS Scenarios #1 & #2
- Flipchart
- Chart paper
- Dry erase markers
- State of California Dept. of Industrial Relations GISO 5189.1 Reference Packet, one for each student.
- Photos of SIMOPS
- Index cards
- Flash cards

Personal Protective Equipment: None necessary for classroom training

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment

Assessment and Grading

Refinery Craft Specific Safety Training Syllabus

Participants will be assessed on the following:

- Exit exam are graded pass/fail and must be passed with a score of 80% or above.