

20-hour Course in Advanced Refinery Safety Training

Course provider information

Course Provider-Sponser _____

Address _____

City _____

State _____

Zip Code _____

Contact Person _____

Contact person title _____

contact person email _____

contact person Phone _____

Optional

Will this course be available to persons outside your organization _____

Tuition for course _____

Refinery Safety Overview (RSO) - (8.0 hours)	Applicable CCR Title 8 Regulations or Best Practices	Course Identifier	Course Title	Lecture yes/no	Lab yes/no	Page #
Overview/awareness of Personal Requirements for Refineries	Transportation Worker Identification Credential Drug Test Respirator Fit Test T8§5189.1(h) Contractors REF. T8§5189.1(g) Training Refinery Site Specific Training					
Hazard Communication	T8§5194					
Emergency Action Plan Awareness	T8§5189.1(p) Emergency Planning and Response T8§3220 Emergency Action Plan T8§6773. Fire Protection and Fire Fighting Equipment.					
Toxicology	T8§5194 T8§5208 Asbestos T8§5216. Lead T8§5218. Benzene Best Practice - H2S Best Practice - Axphixiants Crystal Silica and man made fibers					
Personal Protective Equipment (PPE) for working in a refinery	Fire Resistant Clothing Hard Hat Eye Protection Appropriate Footwear Hearing Protection Fall Protection Personal Cleanliness Protective Clothing Contaminated Clothing					
Respiratory Protection	T8§5144					

Hearing Conservation	T8§5097 Hearing Conservation Program.					
Energy Control (Lockout/Tagout)	T8§3314					
Confined Space	T8§5157					
Prevention of Heat Stress	T8§3395					
Refinery Safe Work Practices	Best Practice					
Refinery Process Overview	Best Practice					
Basic Principles of Petroleum Refining (4-hours)	Suggested Text	Course Identifier	Course Title	Lecture yes/no	Lab yes/no	Page #
Suggested Text for Instructors Fundamentals of the Petroleum Refining Industry Authors: Mohamed A. Fahim, Taher A. Alsahhaf, Amal Sayed Elkilani	Topic to include: History; Oil Patch to Refinery Crude oil and its properties Refinery processes and refinery configurations Properties of the refinery-produced streams Refinery Culture Refinery hazards and emergency response procedures					

Craft Specific Safety Training - (8 hours) Suggested Crafts and Topics	For General Construction use an overview of all Crafts For Specific Crafts use Industry specifics	Course Identifier	Course Title	Lecture yes/no	Lab yes/no	Page #
Hotwork	T8§5189.1(m) T8§4848 T8§6777					
	T8 Articles 21, 22, 23 Scaffolds T8 Article 24 Fall Protection					
	Following Cal/OSHA requirements					
Electrical	Understanding electric shock and electrocution Recognizing potential hazards around work involving electricity Maintaining clearances around panels Using proper protective devices Eliminating access to exposed energized parts					

For Curriculum submission please provide a copy of the course outline similar to a college catalog of courses (sample below). Along with the Approval Matrix (this excel document).
Email the documents to RefinerySafetyTraining@dir.ca.gov

Please note that all submitted documents become public records and can be requested by any member of the public.

note the course is a minimum of 20 hours and the certificate that will be issued will specify that the worker has completed the 20 hours of required training, the length of the course can be longer.

Please email questions or comments to RefinerySafetyTraining@dir.ca.gov

Matrix Please fill out the required information, sample below.
On the Industry specific if there is a occupation listed you must provide the information for that specific industry
one course may cover multiple areas and required elements.

Matrix Definitions

Course Identifier	the course number or other identifier
Course Title	the Name of the module or course
Lecture yes/no	is there a Lecture Session in this course?
Lab yes/no	is there a hands on activity in this course?
Page #	What page of the Course outline is this located.

Refinery Safety Overview (RSO) - (8.0 hours)	Applicable CCR Title 8 Regulations or Best Practices	Course Identifier	Course Title	Lecture yes/no	Lab yes/no	Page #
...						
Energy Control	T8§3314	54172-4	Electrical Safety	yes	yes	1
...						

Course outline sample

Electrical Safety (2 Hours)

(Module ID 45172-4) Covers safety rules and regulations for electricians, including precautions for electrical hazards found on the job. Also covers the OSHA-mandated lockout/tagout procedure.

Electrical Test Equipment (1 hour)

(Module ID 45122-14) Covers proper selection, inspection, and use of common electrical test equipment, including voltage testers, clamp-on ammeters, ohmmeters, multimeters, phase/motor rotation testers, and data recording equipment. Also covers safety precautions and meter category ratings.