

Overhead Crane and Rigging

Regulatory Requirement References

OSHA 1910.132-138
MIOSHA Part 33

Time Required	8-16 hrs. (Crane type and rigging dependent)
Requalification Period	3 yrs.
Pre-Requisites	Basic Rigging
Minimum # Students	2
Maximum # Students	4
Additional Course Material	N/A

General Overview

This course was designed to address occupational safety hazards associated with operating overhead cranes. This course begins with the fundamentals such as identification of major crane components and focuses on the safe and proper operation of the crane. In addition information concerning basic crane construction, basic rigging, crane controls, controlling load swing, and pre-operational inspections and lockout of hazardous energy sources will also be covered.

Expected Outcomes

Students who complete this course will be able to identify major crane components and explain their function, explain and use recommended hand signals, identify safe rigging practices and understand basic rigging principles, conduct prior to use inspections & correctly make precision lifts.

Topics Covered

Capabilities and limitations	Conduct prior to use inspections
Hoisting and Lowering	Limit Switches and locking safety devices
Load weight determination	Preventative Maintenance
Bridge and Trolley Travel	Identify and use safe rigging practices

Implementation Mechanism

Training shall consist of a combination of formal instruction (e.g., lecture, discussion, Video presentation written material), practical training (demonstrations performed by the trainer and practical exercises performed by the trainee), and evaluation of the student's performance

Client Supplied Items

Policies or procedures related to crane operation and rigging
Crane and rigging equipment for use in training
Safe training area of a size to allow safe load maneuvering for training
DVD player and associated audio-visual equipment

