

Crane Certification Mesa

Crane Certification Mesa - The Crane Certification Program includes the industry suggested subject matter that will teach the efficient and safe operation of cranes. The individual would train in the following: pre-operational, operational and post operating requirements; how to identify cranes and their component parts; how to determine overall lift capacity; rigging components and inspection/rejection criteria; and needs specific to the work place where the trainees would be operating.

The requirements which must be performed before operating a crane includes assigning authority for the pre-operational check; carrying out the sequential pre-operational check based on the manufacturer's specifications or specifications certified by a professional engineer; checking the log book for comments; inspecting the work place for obstacles and hazards; inspecting hooks, chains, cables, safety latches and crane movement; ensuring the proper functioning of operational controls; and knowing how to ensure the disconnect switch/isolator of the crane is functioning properly.

Operational requirements comprise identifying roles and responsibilities, and determining the need for a formal lift plan. Trainees will know how to carry out a danger assessment associated to environmental situations, physical situations and staff. Subject matter consists of determining when to seek competent aid, the safest route and destination of loads, and centre of gravity and load weight.

It is essential for trainees to be able to identify an over-capacity lift, select proper rigging machinery, know load limitations, and determine a safe location from which to operate. Trainees would review both site-specific and universal crane signals for lifts, and techniques for lifting, loading and traveling. Right maintenance habits will be covered.

The person training will undergo an examination to test their knowledge of emergency response techniques for different conditions, specifically mechanical or electrical failures. They would be asked to describe shut down and parking procedures for safety and security, to follow lock out and tagging procedures, and to explain why near misses are reported and recorded to the appropriate individual. Log book records need to be maintained.

The person training would be taught the particulars of rigging, and know the authority and responsibility for rigging. They would know to identify the different types of rigging, storage procedures and the load capacity ratings.

The requirements following operation of the crane will be taught too, learning to enter the deficiencies and defects; and to log the history of maintenance and service records, based on the state, provincial and federal codes requirements.

Furthermore, we incorporate site-specific requirements to be able to meet the employers requirements into our crane certification training program.