

## Crane Certification Avondale

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

The requirements which need to be done prior to operating a crane like for example assigning authority for the pre-operational check; doing the sequential pre-operational check based on the specifications certified by a professional engineer or manufacturer's specifications; inspecting the work area for obstacles and hazards; checking the log book for comments; inspecting cables, hooks, chains crane movement and safety latches; ensuring the correct functioning of operational controls; and knowing how to make sure that the crane's disconnect switch/isolator is functioning correctly.

The requirements to operating a crane would comprise the identifying of responsibilities and roles, and the determination of the requirement for a formal lift plan. The individual training would be taught how to do danger assessments for the different environmental circumstances, physical situations and staff. Subject matter consists of determining when to seek competent assistance, the destination of loads and the safest route, and load weight and centre of gravity.

People training should be able to identify an over-capacity lift, in addition to be able to select appropriate rigging machinery, choose load limits, and to determine the safe location for the crane to work from. Trainees will review both site-specific and universal crane signals for lifts, and methods for lifting, loading and traveling. Correct maintenance habits will be covered.

Trainees would be evaluated on their understanding of the need for emergency response procedures for different situations like for instance an electrical or mechanical failure. They would be asked to describe shut down and parking procedures for security and safety, to follow tagging and lock out procedures, and to explain why near misses are recorded and reported to the appropriate person. Log book records must be maintained.

Individuals training would develop knowledge of rigging, in particular, establishing who has authority and responsibility for rigging, identifying various types of rigging, knowing load capacity ratings and storage procedures.

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

Site-specific needs could be included into the safety training program according to the employer's needs.