

Crane Certification St Catharines

Crane Certification St Catharines - The Crane Certification Program includes the industry suggested subject matter that would teach the safe and efficient 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; how to determine overall lift capacity; rigging components and inspection/rejection criteria; and requirements particular to the work location where the individuals training would be operating.

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

Operational requirements include identifying responsibilities and roles, and determining the requirement for a formal lift plan. People training will be taught how to perform a danger assessment associated to environmental circumstances, physical situations and employees. Subject matter consists of determining when to seek competent assistance, the safest route and destination of loads, and load weight and centre of gravity.

Trainees must be able to identify an over-capacity lift, in addition to be able to select appropriate rigging machinery, select load restrictions, and to determine the safe position for the crane to work from. Trainees would review both site-specific and universal crane signals for lifts, and methods for loading, traveling and lifting. Correct maintenance habits would be covered.

People training will be evaluated on their knowledge of the need for emergency response procedures for different conditions like for example an electrical or mechanical failure. They will be asked to describe parking and shut down procedures for security and safety, to follow lock out and tagging procedures, and to explain the reason why near misses are reported and recorded to the appropriate person. Log book records have to be maintained.

Trainees will develop knowledge of rigging, particularly, establishing who has responsibility and authority for rigging, identifying various types of rigging, knowing storage procedures and load capacity ratings.

The requirements after operation of the crane would be taught also, learning to enter the deficiencies and defects; and to log the history of maintenance and service records, in accordance to the state, provincial and federal codes requirements.

Site-specific requirements could be incorporated into the safety training program based on the employer's requirements.