

## Crane Certification Kitchener

Crane Certification Kitchener - The Crane Certification Program includes the industry suggested subject matter that would teach the safe and efficient operation of cranes. The individual will 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 specific to the work site where the trainees will be working.

Pre-operational requirements consist of assigning authority for the pre-operational check; carrying out the sequential pre-operational check based on the specifications certified by a professional engineer or manufacturer's specifications; checking the log book for comments; inspecting the work area for obstacles and hazards; checking chains, cables, hooks crane movement and safety latches; making certain of the proper functioning of operational controls; and knowing how to make certain that the crane's disconnect switch/isolator is correctly working.

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

Individuals training should be able to identify an over-capacity lift, in addition to be able to select right rigging machinery, choose load limitations, and to determine the safe spot for the crane to work from. People training will review both site-specific and universal crane signals for lifts, and methods for loading, traveling and lifting. Correct maintenance habits would also be included.

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

People training would develop knowledge of rigging, particularly, establishing who has authority and responsibility for rigging, identifying various kinds of rigging, knowing load capacity ratings and storage procedures.

Post-operational requirements include entering deficiencies or defects, service and maintenance history within the log book, according to Federal, state and provincial codes requirements.

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