

## Windsor Crane Certification

Windsor Crane Certification - The Crane Certification Program covers the industry recommended 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 needs specific to the work place where the trainees would be operating.

The requirements that must be carried out before operating a crane includes 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; checking the work place for hazards and obstacles; checking cables, hooks, chains crane movement and safety latches; ensuring the proper functioning of operational controls; and learning how to ensure the disconnect switch/isolator of the crane is properly functioning.

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

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

Individuals training will be assessed on their knowledge of the need for emergency response procedures for various scenarios like for example a mechanical or electrical failure. They will be asked to describe shut down and parking procedures for safety and security, to follow tagging and lock out procedures, and to explain why near misses are reported and recorded to the appropriate person. Log book records should be maintained.

The individual training would know the particulars of rigging, and know the authority and responsibility for rigging. They will know to identify the various kinds of rigging, the load capacity ratings and storage procedures.

Post-operational requirements include entering deficiencies or defects, maintenance and service 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 needs.