

## Vaughan Crane Certification

Vaughan Crane Certification - The Crane Certification training program consists of content suggested by industry about the safe and efficient operation of cranes. People training will learn 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 individuals training will be operating.

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

The requirements to operating a crane will consist of the identifying of responsibilities and roles, and the determination of the requirement for a formal lift plan. The trainee will be taught how to do hazard assessments for the varying environmental circumstances, physical conditions and workers. Subject matter includes determining when to seek competent support, the destination of loads and the safest route, and load weight and centre of gravity.

It is essential for individuals training to be able to identify an over-capacity lift, select right rigging equipment, know load limitations, and determine a safe spot from which to work. People training would review both site-specific and universal crane signals for lifts, and methods for loading, traveling and lifting. Proper maintenance habits would be covered.

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

The trainee will be taught the particulars of rigging, and know the responsibility and authority for rigging. They will be taught to identify the various kinds of rigging, storage procedures and the load capacity ratings.

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

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