

## Crane Certification British Columbia

Crane Certification British Columbia - The Crane Certification training program consists of content recommended by industry regarding the safe and efficient operation of cranes. Individuals training would be taught 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 location where the people training will be working.

The requirements which need to be performed prior to operating a crane like for instance 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 log book for comments; checking the work area for obstacles and hazards; inspecting cables, hooks, chains crane movement and safety latches; ensuring the proper functioning of operational controls; and knowing how to make sure that the disconnect switch/isolator of the crane is properly functioning.

Operational requirements consist of identifying roles and responsibilities, and determining the requirement for a formal lift plan. Trainees will be taught how to carry out a hazard assessment associated to environmental conditions, physical situations and staff. Subject matter comprises determining when to seek competent assistance, the destination of loads and the safest route, and load weight and centre of gravity.

People training must be able to identify an over-capacity lift, in addition to be able to choose correct rigging machine, select load limitations, and to determine the safe location for the crane to operate from. Trainees will review both universal and site-specific crane signals for lifts, and methods for loading, traveling and lifting. Correct maintenance habits will be included.

The trainee would undergo an examination to test their knowledge of emergency response techniques for different situations, specially mechanical or electrical failures. They will be asked to describe parking and shut down procedures for security and safety, to follow tagging and lock out techniques, and to explain why near misses are reported and recorded to the right person. Log book records must be maintained.

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

Post-operational requirements consist of entering deficiencies or defects, service and maintenance history in the log book, based on Federal, state and provincial codes requirements.

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