

Crane Certification Alberta

Crane Certification Alberta - The Crane Certification training program includes content recommended by industry concerning the efficient and safe operation of cranes. Individuals training will learn the following: pre-operational, operational and post operating requirements; how to identify cranes and their component parts; rigging components and inspection/rejection criteria; how to determine overall lift capacity; and requirements specific to the work location where the people training will be working.

The requirements which have to be carried out prior to operating a crane like for example 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 place for hazards and obstacles; checking the log book for comments; inspecting cables, hooks, chains safety latches and crane movement; ensuring the correct functioning of operational controls; and knowing how to ensure the crane's disconnect switch/isolator is functioning right.

The requirements to operating a crane will consist of the identifying of roles and responsibilities, and the determination of the need for a formal lift plan. The person training would be taught how to do danger assessments for the different environmental conditions, physical conditions and workers. Subject matter includes determining when to seek competent help, the safest route and destination of loads, and centre of gravity and load weight.

Trainees must be able to identify an over-capacity lift, in addition to be able to choose appropriate rigging machine, select load limits, and to determine the safe place for the crane to work from. Trainees would review both universal and site-specific crane signals for lifts, and techniques for lifting, loading and traveling. Appropriate maintenance habits would likewise be included.

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

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

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

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