

Edmonton Crane Certification

Edmonton Crane Certification - The Crane Certification Program includes the industry suggested content that will teach the safe and efficient operation of cranes. The person 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 particular to the work site where the people training will be working.

Pre-operational requirements comprise assigning authority for the pre-operational check; performing 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 place for obstacles and hazards; inspecting cables, hooks, chains safety latches and crane movement; making certain of the proper functioning of operational controls; and learning how to make certain that the crane's disconnect switch/isolator is correctly functioning.

The requirements to operating a crane would comprise the identifying of responsibilities and roles, and the determination of the requirement for a formal lift plan. The person training would be taught how to do danger assessments for the varying environmental conditions, physical situations and employees. Subject matter consists of determining when to seek competent assistance, the safest route and destination of loads, and load weight and centre of gravity.

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

People training would be assessed on their knowledge of the need for emergency response procedures for different situations like a mechanical or electrical failure. They will be asked to describe parking and shut down procedures for safety and security, to follow tagging and lock out techniques, and to explain the reason why near misses are recorded and reported to the appropriate individual. Log book records must be maintained.

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

Post-operational requirements consist of entering defects or deficiencies, maintenance and service history within 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.