

Grande Prairie Crane Certification

Grande Prairie Crane Certification - The Crane Certification Program covers the industry recommended content which will teach the efficient and safe operation of cranes. The person would train in the following: pre-operational, operational and post operating requirements; how to identify cranes and their component parts; how to determine overall lift capacity; rigging components and inspection/rejection criteria; and needs particular to the work site where the individuals training would be operating.

Pre-operational requirements consist of 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; inspecting the work place for hazards and obstacles; checking the log book for comments; checking cables, hooks, chains safety latches and crane movement; ensuring the correct functioning of operational controls; and learning how to make sure that the disconnect switch/isolator of the crane is properly functioning.

The requirements to operating a crane would include the identifying of roles and responsibilities, and the determination of the requirement for a formal lift plan. The trainee would be taught how to do hazard assessments for the different environmental circumstances, physical circumstances and employees. Subject matter includes determining when to seek competent assistance, 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 pick correct rigging equipment, choose load restrictions, and to determine the safe site for the crane to work from. People training will review both universal and site-specific crane signals for lifts, and techniques for traveling, lifting and loading. Right maintenance habits will be included.

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

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

The requirements following operation of the crane will be taught as well, learning to enter the deficiencies and defects; and to log the history of maintenance and service records, based on the state, provincial and federal codes requirements.

Site-specific requirements can be included into the safety training program according to the employer's requirements.