

Langley Crane Certification

Langley Crane Certification - The Crane Certification Program includes the industry recommended content that will teach the safe and efficient operation of cranes. The person would 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 needs specific to the work site where the individuals training would be working.

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

Operational requirements comprise identifying roles and responsibilities, and determining the requirement for a formal lift plan. Individuals training would know how to perform a hazard assessment related to environmental circumstances, physical situations and staff. Subject matter consists of determining when to seek competent support, the safest route and destination of loads, and load weight and centre of gravity.

It is vital for individuals training to be able to identify an over-capacity lift, choose correct rigging equipment, be aware of load limits, and determine a safe place from which to operate. Individuals training would review both site-specific and universal crane signals for lifts, and techniques for lifting, loading and traveling. Proper maintenance practice would be included.

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

Individuals training will develop knowledge of rigging, particularly, establishing who has authority and responsibility for rigging, identifying different kinds of rigging, knowing storage procedures and load capacity ratings.

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

Furthermore, we include site-specific needs to meet the employers requirements into our crane certification training program.