

Surrey Crane Certification

Surrey Crane Certification - The Crane Certification Program covers the industry recommended subject matter which will teach the safe and efficient operation of cranes. The individual 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 location where the individuals training would be working.

Pre-operational requirements comprise assigning authority for the pre-operational check; carrying out the sequential pre-operational check based on the specifications certified by a professional engineer or manufacturer's specifications; checking the work area for obstacles and hazards; checking the log book for comments; checking hooks, chains, cables, safety latches and crane movement; making sure of the proper functioning of operational controls; and learning how to ensure the disconnect switch/isolator of the crane is functioning properly.

Operational requirements include identifying roles and responsibilities, and determining the need for a formal lift plan. People training will know how to carry out a danger assessment related to environmental conditions, physical situations and workers. Subject matter comprises determining when to seek competent support, the safest route and destination of loads, 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 appropriate rigging machine, select load limitations, and to determine the safe place for the crane to work from. People training 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.

The trainee would undergo an examination to test their knowledge of emergency response techniques for various conditions, specifically 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 the reason why near misses are reported and recorded to the right individual. Log book records need to be maintained.

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

The requirements after operation of the crane would be taught also, learning to enter the deficiencies and defects; and to log the history of service and maintenance records, in accordance to the federal, state and provincial codes requirements.

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