



## TOWER CRANE OPERATOR ASSESSMENT COURSE

### AVAILABLE COURSES

- Safe Mobile Crane Operation Assessment Course.
- Safe Overhead Crane Operation Assessment Course.
- Safe Tower Crane Operation Assessment Course.
- Safe Forklift Operation Assessment Course.
- Safe Scissor Lift Operation Assessment Course.
- Safe Boom Lift Operation Assessment Course.
- Safe Earth moving Equipment Operation Assessment Course.
- Safe Rigging & Slings Assessment Course.
- Safe Scaffolders Assessment Course.
- Safe Confined Space Entry, Emergency and Rescue.
- Safe Cradle Operation Assessment Course.
- Basic First Aid – AHA.
- Fire Fighting Training.
- Risk Assessment Course.
- Emergency Response Preparedness Course.

### INTRODUCTION:

This course is designed for construction site and industrial yards operators who utilize different types of Tower cranes in building, civil engineering and mechanical activities. This Course will be useful for construction employers as it enables them to fulfill training obligations set by Ministry of Labour. The course has been produced to applicable International Standards (BS, OSHA etc.), Regulations (LOLER, PUWER ETC.) and Local Legislation reflecting construction Industry and oil & gas (offshore/onshore) best practices.

### BENEFITS OF COURSE:

After completing the training successfully, the delegates will be able to acquire the following practical knowledge & skills; Understanding of the different types of lifting appliances & lifting accessories (loose gear), SWL, WLL, required PPEs, Load weight calculation, center of gravity, lifting point, lifting gears selection, inspection, types of hitches, sling angle, lifting area safety checks, rigging good & bad practices. A knowledge of different types of Tower Cranes, current Legislation, general maintenance, crane operator manual and logbook, limit switches, load indicator, capacity chart and range diagram.

### COURSE CONTENT:

#### SECTION-1

- Course introduction
- SWL & WLL
- Load weight calculations
- Centre of gravity
- Lifting tackle types & inspection areas
- Types of Lifting Accessories (Loose gear)
- Wire Rope
- Shackles
- Turn Buckle
- Chain Sling
- Plate Clamp
- Synthetic Web Slings
- Types of Hitches
- Single Vertical Hitch
- Bridle Hitch
- Basket Hitch
- Choker Hitch
- Angles of lifting
- Multi-leg sling method of rating
- Rigging equipment “good & bad practices”
- Hand signals

#### SECTION-2

- Tower crane identification
- Crane equipment records
- Crane tower types
- Crane jib types
- Types of bases
- Crane mounting types
- Crane limit switches
- Crane brakes
- Crane safety features
- Crane operator controls
- Crane load chart
- Crane operator precautions
- Unattended crane
- Case study

### COURSE DURATION:

One (01) Day – Theory & Assessment

### PRE-REQUISITES:

Familiarity with crane operation and construction site/industrial yard activities is required for course attendees.

### PARTICIPANTS:

Max. 15 – Min. 05

### COURSE VENUE:

Courses are held at RICI Training centre but alternatively can be held at client’s premises and tailored for client needs and convenience. For tailored courses, the numbers will be dependent on facilities available.

### DELEGATE ASSESSMENT:

Delegates will be assessed based on their progress throughout the course and a certificate of competence will be issued to delegates deemed to have achieved a satisfactory standard.



### Contact Us!

Coordinator Contact: +973 3358 9267

Email: [training.coordinator1@ricionline.com](mailto:training.coordinator1@ricionline.com)

Operations Contact: +973 3358 9275 / +973 3358 9266

Email: [rtc@ricionline.com](mailto:rtc@ricionline.com)

Landline: +973 1700 1595

Web: <http://www.ricionline.com>

Linkedin: <https://www.linkedin.com/company/resource-inspection-canada-incorporated/>

Office Address: Flat 51, Bldg. 208, Road 5616, Block 356, Salihiya - Al Hawaj Center.