

Signal Person Syllabus

Time: 16 hours

Maximum Class Size: 12

Prerequisites: Taught in conjunction with the Hoisting & Rigging Course

Course Description:

This 8-hour LIUNA Training and Education course is a part of the Hoisting & Rigging program. It introduces the responsibility of a signal person, situations that warrant the use of a signal person, and communicating with the operator. Students will learn how to perform at least 15 crane hand signals and will demonstrate the ability to communicate with the operator by using clear and precise voice commands.

Goals/Objectives/Student Learning Outcomes:

- Describe common errors that cause most crane and rigging accidents
- Describe and demonstrate six safe work practices for working with and around cranes and explain why each is important
- Identify at least three different types of cranes
- Using scenarios involving cranes working near power lines, give the minimum clearance between crane and the lines based on OSHA standards
- Describe and demonstrate five safe work practices related to rigging and hoisting
- Identify seven types of rigging hardware and describe the function of each piece of hardware
- Describe eight types of sling configurations and identify the situations in which each are used
- Describe the effect that the sling angle has on slings and hardware
- Describe the three situations that warrant the use of a signal person
- Describe five responsibilities of a signal person
- Describe the methods of communicating with an operator
- Describe two essential practices a signal person should do before signaling and the importance of each.
- With the commands for hand signals available, correctly perform at least 15 crane hand signals
- Demonstrate the ability to communicate with an operator by using clear and precise voice commands

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Standard

- OSHA 1926.1427 Subpart CC: Cranes and Derricks in Construction.
- ANSI A10.42: Rigging Qualifications and Responsibilities.

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- LIUNA: 40-Hour *Hoisting & Rigging IG*
- LIUNA: 40-Hour *Hoisting & Rigging PG*
- LIUNA: Hoisting & Rigging PowerPoint
- DVD: Hoisting & Rigging Procedures
- DVD: Signaling

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 12 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises
- Pass a written exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment

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Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.