

# Crane Safety

## Course Description

This course covers the essential techniques of crane rigging, including directing the work on the ground, and ensuring the safe, efficient conduct of crane operations.

The course starts by examining the safety standards laid down by industry bodies before going on to look at common crane types and how to choose the right crane for the job.

You'll see how to interpret a Crane Load Chart, the stability and structural strength limitations, and the importance of Net and Gross Capacity.

Other topics include the Critical Working Range Diagram and the key dimensions of the crane.

The course will look at crane stability and safety, including outriggers, counterweights and movement.

Modern cranes have a wide range of in-cab technology which we'll discuss before talking about the effects of wind on crane safety.

There'll be a wide range of information on sling safety, along with common sling configurations and their operational benefits.

We'll show how to inspect and maintain a range of slings along with rigging hardware links, shackles, end-fittings, wire rope clips and hooks.

Finally, the course will cover a full range of hand signals used to communicate between the ground and the crane operator.

## Target Audience

This course is aimed at people working in the construction industry that need an understanding of crane operations and the related safety concerns.

## Advantages

Online training is flexible, efficient and cost effective meaning the candidate can progress through the modules at their own pace and in their own time, so they can fit the training around their work and personal life.

## Modules

Course	Module Number	Module Name	Pass % Required
Crane Safety	1	Introduction	70
Crane Safety	2	Choosing the Right Crane	70
Crane Safety	3	The Effects of Wind on Crane Safety	70
Crane Safety	4	Rigging and Sling Selection	70
Crane Safety	5	Sling Inspection	70
Crane Safety	6	Inspecting Rigging Hardware	70
Crane Safety	7	Crane Signals	70

### Recommended System Requirements

- Browser: Up to date web browser
- Video: Up to date video drivers
- Memory: 1Gb+ RAM
- Download Speed: Broadband (3Mb+)

**Duration:** 60 minutes (*Note: This is based on the amount of video content shown and is rounded off. It does not account in any way for loading time or thinking time on the questions).*