

# Cranes

## At a glance...

### Training (with Assessment) Competence with Modules

**Duration Notes:** The expected duration for the course is three days, however please note this may vary according to factors such as level of experience, modules or attachments selected, or the ratio of Instructors to Learners.

**Delivery Method:** Classroom and practical demonstration and assessment

## Introduction

Becoming proficient in operating this machinery is an essential and valued operator's skill for any contract, large or small.

## Overview in brief

This course will equip you with the knowledge and confidence to operate the machine safely, protecting both you and those around you.

This course offers three certificate options: operating either a boat crane, pier crane or both boat and pier cranes combined, depending on your needs.

This course also offers a range of attachment certificate options.

## The finer details

This training course has been developed to help you understand how to operate a crane safely.

The amount of instruction you will require will depend largely upon your previous experience and sessions will be adapted to meet your needs. Course duration will depend on experience and will be from one to four days.

The training course will consist of theory and practical sessions, followed by assessment. Course sessions include:



- Safe Lifting Operations and the Law
- Machine Knowledge and Preparation for Work
- Travelling and Manoeuvring the Machine
- Machine Operation
- Theory Assessment
- Practical Assessment.



If successful in meeting the required standards assessed, you will be awarded a certificate of competence and a Lantra skills ID card for your chosen certificate option.

### Who should attend?

This course is for you if you need to become proficient in safely operating a crane.

As you'll appreciate, this course contains some practical activity that will require a minimum level of fitness. If you have any concerns, please speak to the Provider.

### What will be covered?

At the end of this course, you will be able to:

- Describe the key requirements of health, safety and environmental legislation
- Define the responsibilities of those involved in lifting operations
- Identify the hazards associated with lifting operations and describe the control measures
- Interpret and apply the information within plans, charts, safe systems of work, and manufacturer's operator's manuals (MOMs)
- Explain the use and limitations of cranes and lifting accessories
- Identify and explain the purpose and function of crane components and controls
- Explain the inspection and maintenance requirements for cranes and lifting accessories
- Conduct pre-start checks and routine maintenance procedures on cranes
- Explain the load rating terminology relating to crane operations
- Evaluate the load and select the appropriate safe working procedures for the operation
- Select the most appropriate lifting attachments and techniques for the operation
- Organise and communicate with others the sequence in which work is to be carried out
- Employ clear methods of communication and signals to direct safe movement of the load
- Demonstrate how to safely and effectively operate the crane and lifting accessories
- Demonstrate how to safely move a variety of loads across a range of floating platforms
- Conclude the operation, safely shut down the device and make the site safe
- Perform the relevant post use checks and ensure the lifting equipment is securely stored.

