

Rigging & Hoisting

This program is designed for industrial personnel responsible for the safe movement of medium and heavy loads. It combines classroom instruction with practical field exercises based on student needs.

Who Should Attend:

Anyone whose daily duties involves the movement of heavy loads via crane.

RIGGING FUNDAMENTALS

Objective: Describe how to safely and efficiently rig a load

SUBTOPICS:

- Planning the Lift
- Using Mechanical Advantage

SLINGING

Objective: Demonstrate the proper methods of slinging a load

SUBTOPICS:

- Slinging Materials and Types
- Hooks, Shackles and Mousing
- Safety Precautions

FIBRE AND ROPE KNOTS

Objective: Explain the fundamental properties of different rope types and describe the methods of attachment to use in rigging

SUBTOPICS:

- Natural Fibre Rope
- Synthetic Fibre Rope
- Use, Care and inspections
- Splices, Knots, Bends and Hitches

WIRE ROPE AND CHAIN

Objective: Explain the use of wire rope and chains in rigging with different kinds of equipment

SUBTOPICS:

- Choosing Wire Rope
- Use, Care and Inspection
- Attachments
- Use with Machinery

CRANES AND HOISTS

Objective: Describe safety concerns working with cranes and hoists

SUBTOPICS:

- Cranes
- Chain Hoists
- Material Hoists

SIGNALS AND SAFETY

Objective: Demonstrate the proper signals used during hoisting and the safety precautions to be taken

SUBTOPICS:

- Hoisting Signals
- Hoisting Safety

FIELD EXERCISES

Objective: Demonstrate skills under field conditions in a controlled environment

SUBTOPICS:

- Apply practical Hoisting and Rigging skills.