



Fee
Free

Final exam only

Course technical sheet

Overhead Bridge Crane – Theory-Technical Module

Course code

CARROP_TEO_LA

Test duration

60 min

Passing score

70%

Issued

27/05/2026

Executive summary

The course "Overhead Bridge Crane – Theory-Technical Module" provides targeted training for operators using overhead cranes in industrial and material handling environments. Focused on essential theoretical and technical knowledge, the course covers key topics such as the main crane components (bridge, trolley, hoist), control and movement methods (hoist up/down, travel), load slinging and center of gravity, as well as safety regulations associated with equipment like radio remote controls and spreader beams. Special emphasis is placed on pre-use inspections, standard hand signals and communication for effective operation, and best practices for load parking and shift completion. The training includes a theoretical module lasting approximately 60 minutes, featuring an intermediate test to assess learning with a minimum passing score of 70%. This course is essential for gaining an in-depth understanding of technical and regulatory aspects for the safe operation of overhead cranes, compliant with current legislation, specifically Legislative Decree 81/2008 and the State-Regions Agreement dated April 17, 2025.

Certification process

- Registration or login to the Academy platform.
- Completion of the final course examination only. Any training or preparation may be completed externally or through other channels.
- The test questions refer to the objectives, skills and topics described in this technical sheet.
- Assessment of the result, possible validation and certificate issuance according to the rules applicable to the course.

Important note

On Academy, candidates take only the final course examination. Any training or preparation activity may be delivered externally or through other channels. The test questions refer to the topics described in this technical sheet and in the course syllabus summary.

Syllabus summary

Legislative Decree 81/2008, art. 73(5) + State-Regions Agreement 17/04/2025 (Rep. Acts No. 59/CSR) – Annex A, section 8.3.11 "overhead crane": Theory-Technical Module (4 hours) and intermediate test (minimum pass mark 70%)

Learning Objectives

Provide technical and regulatory knowledge essential for the safe operation of the overhead crane.

Skills Acquired

Certification Bodies Management systems

IFZA Business Park - Building A2 - Nadd Hessa - Dubai Silicon Oasis
United Arab Emirates
Phone: +971 502475030
Email: info@certificatowz.org
VAT/Tax ID: 104216397000003

Course technical sheet

CARROP_TEO_LA
Page 1
Document generated automatically by Academy
Overhead Bridge Crane – Theory-Technical Module

- Identification of main overhead crane components
- Correct execution of controls and movements
- Load slinging and center of gravity management
- Pre-use inspections and operational safety
- Use of signals and standard communication

Target Audience

Operators assigned to overhead crane operation, industrial material handlers requiring technical training.

Prerequisites

None specific; basic knowledge of industrial work environments is recommended.

Program

- Overhead crane components: bridge, trolley, hoist
- Controls: hoist up/down, travel
- Slinging and center of gravity
- Limit switches and limiters
- Hand signals and communication
- Pre-use inspections
- Good practices for parking and end-of-shift

Teaching Methodology

Theoretical lessons with practical examples, supported by intermediate tests to verify knowledge.

Assessment Method

Intermediate test with a minimum passing score of 70%.

Duration

60 minutes of theoretical training.

Certification

Certificate of attendance upon passing the intermediate test.

Expected Outcomes

Acquisition of technical skills for safe and regulatory-compliant overhead crane operation.