



Fee  
**Free**

Final exam only

# Course technical sheet

Tower crane – Operator qualification

Course code

**GRU\_TORRE\_LA**

Test duration

**45 min**

Passing score

**70%**

Issued

**28/05/2026**

## Executive summary

The professional course "Tower crane – Operator qualification" is designed for individuals seeking to acquire specific skills for the safe operation of tower cranes, essential equipment in construction sites and lifting operations. Through a structured training path covering both theoretical-technical and practical modules, participants will learn applicable regulations, operational procedures, and essential safety measures for crane operation. The program includes training on proper use of crane components, maintaining safety distances, managing adverse weather conditions, and techniques for handling materials in areas with pedestrian traffic and sensitive infrastructure such as overhead electrical lines. The instructional approach combines lectures, practical cases, and simulations, followed by a final assessment featuring multiple-choice questions and a practical test. Total course duration includes 14 hours of training, divided into 8 hours of theoretical modules and 6 hours of practical sessions. The course targets construction operators, maintenance personnel, and technicians aiming to qualify for safe and correct use of tower cranes, complying with Italian regulations (Legislative Decree 81/08 and State-Regions Agreement 2025). No prerequisites are required beyond minimum age and basic learning ability. Upon completion, participants receive certification of operational competence for tower crane operation, essential to ensure safety and efficiency on construction sites.

## 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

Italian Legislative Decree 81/08, art. 73(5) + State-Regions Agreement 17 Apr 2025 (Rep. 59/CSR), Annex A – section 8.3.3 (tower crane): 8-hour technical theory + 6-hour practical module (low-rotation and high-rotation); assessment with multiple-choice test (pass mark: at least 70% correct answers) and final practical test.

### Certification Bodies Management systems

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### Course technical sheet

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Tower crane – Operator qualification

**Training objectives**

- Train operators competent in safe and correct tower crane operation
- Apply current workplace safety regulations

**Acquired skills**

- Understand tower crane components and functions
- Safely manage lifting and material handling operations
- Maintain safety distances, especially from overhead power lines
- Conduct pre-use checks and handle adverse weather conditions

**Target audience**

- Construction operators, maintenance staff, technicians, site workers

**Prerequisites**

- Minimum age 18
- Basic learning ability

**Program**

- 8 hours theory: regulations, safety, operation, procedures
- 6 hours practical: low and high rotation exercises, operational drills

**Teaching methodology**

- Lectures with multimedia support
- Simulations and practical case studies
- Hands-on exercises with tower crane

**Evaluation methods**

- Multiple-choice test (minimum 70% correct)
- Final practical test

**Duration**

- Total 14 hours (8 theory + 6 practical)

**Certification**

- Tower crane operator qualification certificate

**Expected outcomes**

- Skills for safe and responsible movement using tower cranes
- Knowledge of regulations and procedures to prevent accidents and risks at work