TECHNICAL LEARNING AND ASSESSMENT DOSSIER

Tower crane – Operator qualification

Price / certificate issuance
On request
VAT excluded

Course code	Minimum duration	Final pass score	Dossier issue
GRU_TORRE_LA	45 min	70%	28/11/2026

1. Course identity, purpose and scope

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.

This extended technical dossier describes the pathway as published in CIWZ Academy on the issue date. It consolidates purpose, references, learning architecture, module contents, assessment system, passing criteria and certificate conditions. It does not replace the official texts of the standards, laws, guidelines or schemes referenced.

2. Normative, regulatory and technical references

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.

References are used as the learning and assessment framework within the limits of published content and available sources. For professional application, the official and current versions of the referenced documents always prevail.

3. Learning architecture and assessment system

- minimum tracked time: 45 min
- active final-exam bank: 200 questions
- final exam: 30 questions selected from the bank
- passing threshold: 70%
- Direct access to the final assessment under the published rules for the exam-only pathway.
- Exam assembly from the active course bank and scoring against the published pass threshold.
- Recording of the result and, where applicable, request for the final certificate.

4. Official catalogue technical information

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

7. Assessment system, final exam and passing criteria

- The final assessment consists of 30 questions selected from the active course bank. The platform applies an anti-repetition logic for new attempts when the bank size allows it.
- Final question-bank size detected at generation time: 200 active questions.
- Published passing threshold for the course: 70%.
- Questions are intended to assess not only recall but also interpretation, application, evidence selection, scenario assessment and quality of decision-making, depending on the subject matter.

8. Tracking, learning continuity and session integrity

- Path status, completed modules and recorded time are managed server-side when the course uses the Academy learning mode.
- The platform allows the pathway to resume from the recorded point and retains the results of required checks.
- Assessment sessions may be subject to the integrity and proctoring controls enabled by the platform and described in the applicable usage rules.
- Technical and integrity events support assessment and do not replace professional judgement where human review is required.

9. Certificate, use and limitations

The CIWZ certificate, where provided by the pathway and requested after passing, records the result achieved in the stated CIWZ pathway or assessment. It does not automatically replace personnel certification, professional registration, statutory licence, legal qualification or credentials issued by third-party bodies where such requirements are imposed by the applicable scheme.

10. Commercial and tax conditions

- Price / certificate issuance: On request VAT excluded.
- UAE VAT is applied to UAE customers according to billing data and the applicable tax rules.
- Any specific commercial terms, agreements or corporate orders override the public price only when formally accepted by Certificato IWZ FZCO.

11. Dossier document control

- Document automatically generated by CIWZ Academy from the course data published at the time of the request.
- Course code: GRU_TORRE_LA
- Document language: EN

- Generation date: 28/11/2026
- For normative and professional application, the current official sources and any applicable procedures/schemes prevail.