

Rigger

Updated May 2025

Focus Statement

The purpose of this assessment is to determine the proficiency level for an entry-level Rigger, or a skilled tradesperson who incorporates rigging into their job responsibilities but does not specialize in it. They perform under specific instructions and may need guidance in challenging or novel situations. Their fundamental knowledge base encompasses:

- Familiarity with load charts, including deductions and capacity considerations.
- Adherence to Occupational Safety and Health Administration (OSHA) requirements.
- Competence in handling telescopic booms.
- Understanding of load dynamics.
- Proficiency in recognizing key components of a lift plan.
- Basic comprehension of erecting and stowing jibs/extensions and their relevance to rigging.
- Knowledge of crane operations involving telescopic booms and swinging jibs.
- Awareness that lower angles in rigging operations lead to increased stress, although precise stress calculations may not be within their purview.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes, or study materials are allowed

The minimum passing score is 80

Practical Examination

A corresponding hands-on Practical Examination is available and required to earn a certified credential.

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER's curriculum modules as listed on this specification sheet. This assessment is referenced to NCCER's 3rd edition of the Basic, Intermediate, and Advanced Rigger curricula. You may order books and modules from Pearson by visiting www.nccer.org/order-books-modules/.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

Credentials

Upon successful completion of the certification requirements, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

Score Report and Training Prescription

Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account

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Written Assessment Contents:

Domain	Module ID	Topics	Number of Items
Rigging Practices	38102 38201 38301	<p>Demonstrate proficiency in, understanding, use, and care of:</p> <ul style="list-style-type: none"> ● Rigging hardware (slings, hitches, and hoisting equipment) ● Sling angles ● Common hitches ● Hoisting and jacking equipment ● Rigging equipment for moving loads (lateral loads, reeve block, etc.) ● Special rigging equipment (cribbing, spreader bars, equalizer beams) ● ASME Standards (B30.98, B30.10, B30.23, B30.26) 	30
Crane Knowledge	21102 21106 21206 21301 21302	<p>Demonstrate proficiency in, understanding, use, and care of:</p> <ul style="list-style-type: none"> ● Mobile crane purpose and safety operation considerations (pre-lift meeting, power line, weather, etc.) <ul style="list-style-type: none"> ○ specific applications ○ responding to various crane incidents ● Cranes and components (safety devices, reeving patterns) ● Lifting capacity (ground conditions, landing zone) ● Telescopic-Boom Attachment Setup and Disassembly ● Define and describe crane configurations that affect load chart selection <ul style="list-style-type: none"> ○ four standard mobile crane configurations ○ significance of the crane's base and its configuration ● Load charts and deductions from capacity (jib charts, range diagram, center of gravity) ● Leverage and stability of a crane 	22
Wire Ropes	21204	<p>Demonstrate proficiency in, understanding, use, and care of:</p> <ul style="list-style-type: none"> ● Wire rope inspection, handling, and maintenance requirements ● Reeving wire rope onto load blocks and drums ● Wire rope construction, configurations and terminations 	13

Total Number of Items

65