



National Craft Assessment and Certification Program
S P E C I F I C A T I O N S

CORE V2

ICS00_02

October 2013

Focus Statement

This assessment covers all of the competencies and objectives of NCCER's Core Curriculum: Introductory Craft Skills.

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 75

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER's curriculum modules as listed on this specification sheet. You may order modules from Pearson (800.922.0579) or from NCCER's Online Catalog at www.nccer.org.

Assessment Development

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

Credentials

Upon successful completion of the knowledge assessment, NCCER will send applicable credentials to the assessment center.

Score Report and Training Prescription

Each candidate will have access to their assessment results including their overall score and recommended training.

NCCER Registry

Knowledge assessment results are recorded in NCCER's Registry and become a part of the portable record of an individual's NCCER credentials.

Knowledge Assessment Contents:

Content Domain	Number of Questions
Safety [00101-09, 00109-09]	10
Math [00102-09]	7
Tools [00103-09, 00104-09]	9
Construction Drawings [00105-09]	4
Rigging [00106-09]	4
Critical Skills [00107-09, 00108-09]	16
Total Number of Questions	50



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Learning Objectives related to Assessment:

Safety	
Registry ID Number:	Module Title Objectives:
00101-09	Basic Safety
	Explain the idea of a safety culture and its importance in the construction crafts.
	Identify causes of accidents and the impact of accident costs.
	Explain the role of OSHA in job-site safety.
	Explain OSHA's General Duty Clause and 1926 CFR Subpart C.
	Recognize hazard recognition and risk assessment techniques.
	Explain fall protection, ladder, stair, and scaffold procedures and requirements.
	Identify struck-by hazards and demonstrate safe working procedures and requirements.
	Identify caught-in-between hazards and demonstrate safe working procedures and requirements.
	Define safe work procedures to use around electrical hazards.
	Demonstrate the use and care of appropriate personal protective equipment (PPE).
	Explain the importance of hazard communications (HazCom) and Material Data Safety Sheets (MSDSs).
	Identify other construction hazards on your job site, including hazards material exposures, environmental elements, welding and cutting hazards, confined spaces, and fires.
00109-09	Introduction to Materials Handling
	Define a load.
	Establish a pre-task plan prior to moving a load.
	Choose appropriate materials-handling equipment for the task.
	Recognize hazards and follow safety procedures required for materials handling.
Math	
Registry ID Number:	Module Title Objectives:
00102-09	Introduction to Construction Math
	Add, subtract, multiply, and divide whole numbers, with and without a calculator.
	Use a standards ruler, a metric ruler, and a measuring tape to measure.
	Add, subtract, multiply, and divide fractions.
	Add, subtract, multiply, and divide decimals, with and without a calculator.
	Convert decimals to percentages and percentages to decimals.
	Convert fractions to decimals and decimals to fractions.
	Explain what a metric system is and how it is important in the construction trade.
	Recognize and use metric units of length, weight, volume, and temperature.
	Recognize some of the basic shapes used in the construction industry and apply basic geometry to measure them.

Tools	
Registry ID Number:	Module Title Objectives:
00103-09	Introduction to Hand Tools
	Recognize and identify some of the basic hand tools and their proper uses in the construction trade.
	Visually inspect hand tools to determine if they are safe to use.
	Safely use hand tools.
00104-09	Introduction to Power Tools
	Identify power tools commonly used in the construction trades.
	Use power tools safely.
	Explain how to maintain power tools properly.
Construction Drawings	
Registry ID Number:	Module Title Objectives:
00105-09	Introduction to Construction Drawings
	Recognize and identify basic construction drawing terms, components, and symbols.
	Relate information on construction drawings to actual locations on the print.
	Recognize different classifications of construction drawings.
	Interpret and use drawing dimensions.
Rigging	
Registry ID Number:	Module Title Objectives:
00106-09	Basic Rigging
	Identify and describe the use of slings and common rigging hardware.
	Describe basic inspection techniques and rejection criteria used for slings and hardware.
	Describe basic hitch configurations and their proper connections.
	Describe basic load-handling safety practices.
	Demonstrate proper use of American Society of Mechanical Engineers (ASME) hand signals.
Critical Skills	
Registry ID Number:	Module Title Objectives:
00107-09	Basic Communication Skills
	Interpret information and instructions presented in both verbal and written form.
	Communicate effectively in on-the-job situations using verbal and written skills.
	Communicate effectively on the job using electronic communication devices.
00108-09	Basic Employability Skills
	Explain the role of an employee in the construction industry.
	Demonstrate critical thinking skills and the ability to solve problems using those skills.
	Demonstrate knowledge of computer systems and explain common uses for computers in the construction industry.
	Define effective relationship skills.
	Recognize workplace issues such as sexual harassment, stress, and substance abuse.