



SEC – Construction Core Blueprints

This document contains the blueprints for the concentration areas in secondary Construction Core.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
993101, 993102, 993103	10247Y1-2013	Construction Core	

Curriculum	Perkins Assessment 2016-17		Teacher Evaluation Pilot 2016-17			
	Y1 Post-Test	Y2 Post-Test	Y1 Baseline	Y1 Post-Test	Y2 Baseline	Y2 Post-Test
Construction Core	MS-CPAS2* And the NCCER*	See Y2 Carpentry, Electrical or Masonry*	NA*	NA*	NA*	NA*

For more information concerning NCCER testing: <http://www.nccer.org/academic>

* These assessments are subject to change based on funding and policy changes/updates. Information for test coordinators will be disseminated on the ordering process for the national certification by the Research and Curriculum Unit at Mississippi State University.



MS-CPAS2 Blueprint Summary

Assessment: Construction Core
Test Code: 10247Y1-2013
CIP Code: 460000
Course Codes: 993101, 993102, 993103
Type: CP

The MS-CPAS2 Blueprint Summary indicates the number of assessment questions related to each unit on the assessment and indicates the relative emphasis placed on each unit. All of the listed competencies will appear on the assessment, but because of the length of the assessment, not every competency will be equally represented in the assessment.

The MS-CPAS2 Blueprint Summary includes a variety of information, which is explained below:

Terms and Definitions	
Assessment:	This signifies the name of the assessment, which corresponds with the name of the pathway or program.
CIP Code:	Developed by the U.S. Department of Education's National Center for Education Statistics (NCES), CIP codes are a federal coding system utilized for assessment and reporting of fields of study and program completions activity tracking.
Test Code:	A unique code that serves to numerically identify a specific assessment
DOK Levels:	Based on Webb's Depth of Knowledge (DOK), this signifies the assessment item difficulty factor to be expected in each unit. The three levels are as follows: <i>1 = Recall and Reproduction, 2 = Skills and Concepts, 3 = Short-term Strategic Thinking</i> Some postsecondary programs will not use DOK levels until the next revision.
Instructional	The total number of hours assigned to a unit per the pathway's curriculum
Total Items:	The total number of items assigned to each unit on the assessment. It is calculated as follows: <i>(Unit Instructional Hours / Total Instructional Hours) * Total Active Items</i>
Active Items:	The number of items on the assessment that will be graded
Field-test Items:	The number of items that are being field-tested, or piloted, to determine their eligibility for inclusion as an Active Item on future assessments. These items are not graded and, thus, will not impact the student's final score.
Total Assessed Items:	The total number of items on the given assessment. It is calculated as follows: <i>Active Items + Field-test Items</i>

For more information regarding this MS-CPAS2 Blueprint Summary, please contact the Mississippi Assessment Center by phone at 1.866.901.7433 or by e-mail at helpdesk@rcu.msstate.edu.



Assessment: Construction Core Test Code: 10247Y1-2013 CIP Code: 460000 Total Hours: 197	DOK Level(s)			Instructional Hours	Total Items
	1	2	3		
Unit 1: Not on CPAS					
Unit 2: Basic Safety	1	2		24	9
1. Describe, define, and illustrate general safety rules for working in a shop/lab and how they relate to the construction industry. 2. Identify and apply safety around welding operations. 3. Display appropriate safety precautions to take around common jobsite hazards. 4. Demonstrate the appropriate use and care of personal protective equipment. 5. Explain fall protection, ladder, stair and scaffold procedures, and requirements. 6. Explain the material safety data sheet (MSDS). 7. Display appropriate safety procedures related to fires. 8. Explain safety in and around electrical situations.					
Unit 3: Basic Math	1	2		29	12
1. Apply the four basic math skills with whole numbers, fractions, decimals, and percent with and without a calculator.					
Unit 4: Hand and Power Tools	1	2		24	10
1. Demonstrate the use and maintenance of hand and power tools.					
Unit 5: Introduction to Blueprints	1	2	3	24	10
1. Read, analyze, and understand basic components of a blueprint.					
Unit 6: Introduction to Materials Handling	1			24	10
1. Safety handle and store materials.					
Unit 7: Introduction to Carpentry	1	2		38	15
1. Explain the fundamentals of the carpentry trade. 2. Demonstrate safety when working in carpentry and with carpentry tools. 3. Correctly identify building materials, fasteners, and adhesives.					
Unit 8: Introduction to Electrical Wiring	1	2		34	14
1. Explain the fundamentals of the electrical trade. 2. Demonstrate safety in and around electrical circuits and equipment. 3. Discuss electrical circuits.					
Active Items					80
Field-Test Items					20
TOTAL ASSESSED ITEMS					100







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