

MS-CPAS Blueprint Summary

Assessment:	Brick, Block, and Stone Masonry
Test Code:	20216Y1-2017
CIP Code:	460101
Certificate:	Career
Type:	PS

The MS-CPAS 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-CPAS 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 Hours:	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-CPAS Blueprint Summary, please contact the Research and Curriculum Unit by phone at 1.866.901.7433 or by e-mail at helpdesk@rcu.msstate.edu.

Assessment: Brick, Block, and Stone Masonry						
Test Code: 20216Y1-2017				DOK Level(s)	Instructional Hours	Total Items
CIP Code: 460101						
Total Hours: 26						
BBT 1115: Brick and Block Laying	1	2			5	8
1. Describe and apply safety procedures for layout and construction of a brick/block wall. 2. Explore the history of masonry to include materials and techniques. 3. Explain and perform procedures for layout and construction of a brick/block wall.						
BBT 1215: Masonry Construction	1	2			5	8
1. Explain safety procedures for masonry construction. 2. Identify brick, block, and stone materials and their applications. 3. Plan and construct a concrete foundation. 4. Lay out a brick wall and/or a block wall to specifications. 5. Plan and construct a reinforced wall. 6. Plan and construct a stone masonry wall.						
BBT 1223: Masonry Math, Estimating, and Blueprint Reading	1	2			3	5
1. Demonstrate addition, subtraction, division, and multiplication with whole numbers, fractions, and decimal for the masonry trade. 2. Describe the symbols and abbreviations used on blueprints for masonry. 3. Estimate materials for a masonry job using manual procedures and/or computer equipment with software.						
BBT 1313: Tools, Equipment, and Safety	1	2			3	5
1. Identify and use masonry tools and equipment. 2. Explain safe work practices for the masonry shop and job site. 3. Demonstrate the ability to care for the tools and equipment. 4. Not on MS-CPAS						
BBT 1425: Advanced Block Laying	1	2			5	7
1. Demonstrate proper safety procedures for layout and construction of block columns, piers, and various walls. 2. Explain and perform procedures for layout and construction of block columns, piers, and various walls using different widths of blocks.						
BBT: 1525 Advanced Brick Laying	1	2			5	7
1. Demonstrate safety procedures for layout and construction of brick columns, piers, and various walls. 2. Explain and perform procedures for layout and construction of brick columns, piers, and various walls using different sizes of brick.						
					Active Items	40
					Field-Test Items	10
					TOTAL ASSESSED ITEMS	50

MS-CPAS Blueprint Summary

Assessment:	Brick, Block, and Stone Masonry
Test Code:	20216Y2-2017
CIP Code:	460101
Certificate:	Technical
Type:	PS

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Total Assessed Items:	The total number of items on the given assessment. It is calculated as follows: <i>Active Items + Field-test Items</i>

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Assessment:	Brick, Block, and Stone Masonry			DOK Level(s)	Instructional Hours	Total Items
Test Code:	20216Y2-2017					
CIP Code:	460101					
Total Hours:	9					
BBT 1623: Chimney and Fireplace Construction	1	2		3	12	
1. Utilize safety procedures to lay out and construct fireplaces and chimneys. 2. Describe and apply procedures to lay out and construct fireplaces and chimneys. 3. Describe procedures for refractory masonry. 4. Discuss the history of early American fireplaces.						
BBT 1723: Arch Construction	1	2		3	13	
1. Specify and practice safety procedures to lay out and construct brick and stone arches. 2. Describe and explain the history and development of arches. 3. Describe the different types of arches. 4. Explain the techniques utilized in developing arches to include cutting and shaping of various masonry units. 5. Explain and apply procedures to lay out and construct brick and stone arches.						
BBT 1823: Steps, Patios, and Brick Floors	1	2		3	15	
1. Not on MS-CPAS 2. Explain and describe the various types of pavers used in floor, patio, and step construction. 3. Explain and apply procedures to lay out and construct brick floors, patios, and steps. 4. Explain and apply procedures to lay out and construct a floor section using paving brick with concrete base and mortar beds. 5. Explain and apply procedures to lay out and construct a floor section using paving brick with limestone base and sand beds. 6. Describe and use various bond patterns used in constructing brick floors. 7. Explain and apply procedures to lay out and construct flagstone walkways. 8. Explain and apply procedures to lay out and construct tile floors and/or walls.						
					Active Items	40
					Field-Test Items	10
					TOTAL ASSESSED ITEMS	50