

MS-CPAS Blueprint Summary

Assessment:	Brick Block and Stone Masonry
Test Code:	20216Y1-2011
CIP Code:	460101
Course Codes:	
Type:	PS

The MS-CPAS Blueprint Summary indicates the number of assessment questions related to each unit on the assessment and 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:

Term and Definition	
Assessment:	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 for reporting and tracking fields of study and program completions activity.
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's 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 graded items on the assessment.
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	DOK Level(s)			Instructional Hours	Total Items
Test Code: 20216Y1-2011					
CIP Code: 460101					
Total Hours: 26					
BBV 1115: Brick and Block Laying	1			5	8
1. Describe and apply safety procedures for layout and construction of a brick or 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 or block wall.					
BBV 1215: Masonry Construction	1	2		5	8
1. Explain safety process 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.					
BBV 1223: Masonry Math, Estimating, and Blueprint Reading	1	2		3	5
1. Demonstrate addition, subtraction, division, and multiplication with whole numbers, fractions, and decimals 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.					
BBV 1313: Tools, Equipment, and Safety	1			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. Explain vocational student organizations and how they relate to and support the instructional program.					
BBV 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 block.					
BBV 1525: Advanced Bricklaying	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:	20216Y2-2011
CIP Code:	460101
Course Codes:	
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: 20216Y2-2011					
CIP Code: 460101					
Total Hours: 9					
BBV 1623: Chimney and Fireplace Construction	1	2		3	13
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.					
BBV 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.					
BBV 1823: Steps, Patios, and Brick Floors	1	2		3	14
1. Specify and practice safety procedures to lay out and construct brick floors, patios, and steps. 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 flagstone walkways. 5. 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