



MS-CPAS2 Blueprint Summary

Assessment: Welding Technology
Test Code: 21301Y1-2014
CIP Code: 480508
Course Codes:
Type: PS

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 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-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: Welding Technology	DOK Level(s)			Instructional Hours	Total Items
	1	2	3		
Test Code: 21301Y1-2014					
CIP Code: 480508					
Total Hours: 22					
WLT 1124: Gas Metal Arc Welding (GMAW)	1	2		4	7
1. NCCER Welding Level 2: Module 29205-09 - GMAW and FCAW: Equipment and Filler Metals 2. NCCER Welding Level 2: Module 29206-09 - GMAW and FCAW: Plate 3. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
WLT 1135: Gas Tungsten Arc Welding (GTAW)	1	2		5	9
1. NCCER Welding Level 2: Module 29207-09 - GTAW: Equipment and Filler Metals 2. NCCER Welding Level 2: Module 29208-09 - GTAW: Plate 3. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
WLT 1143: Flux Cored Arc Welding (FCAW)	1	2		3	5
1. NCCER Welding Level 2: Module 29205-09 - GMAW and FCAW: Equipment and Filler Metals 2. NCCER Welding Level 2: Module 29206-09 - GMAW and FCAW: Plate 3. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
WLT 1225: Shielded Metal Arc Welding II	1	2		5	9
1. NCCER Welding Level 1: Module 29110-09 - Joint Fit-Up and Alignment 2. NCCER Welding Level 1: Module 29111-09 - SMAW-Groove Welds with Backing 3. NCCER Welding Level 1: Module 29112-09 - Open V-Groove Welds 4. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
WLT 1232: Blueprint Reading, Welding Symbols and Metallurgy	1	2		2	5
1. NCCER Welding Level 2: Module 29201-09 - Welding Symbols 2. NCCER Welding Level 2: Module 29202-09 - Reading Welding Detail Drawings 3. NCCER Welding Level 2: Module 29203-09 - Physical Characteristics and Mechanical Properties of Metal 4. NCCER Welding Level 2: Module 29204-09 - Pre-heating and Post-heating of Metals 5. NOT ON MS-CPAS - NCCER Welding Level 1: Module 29106-09 - Weld Quality (NOT ON MS-CPAS FOR THIS COURSE))					
WLT 1313: Cutting Processes	1	2		3	5
1. NCCER Welding Level 1: Module 29102-09 - Oxyfuel Cutting 2. NCCER Welding Level 1: Module 29103-09 - Plasma Arc Cutting 3. NCCER Welding Level 1: Module 29104-09 - Air Carbon Arc Cutting and Gouging 4. NOT ON MS-CPAS - NCCER Welding Level 1: Module 29106-09 - Weld Quality (NOT ON MS-CPAS FOR THIS COURSE)					
Active Items					40
Field-Test Items					10
TOTAL ASSESSED ITEMS					50



MS-CPAS2 Blueprint Summary

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Course Codes:
Type: PS

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Assessment: Welding Technology	DOK Level(s)			Instructional Hours	Total Items
	1	2	3		
Test Code: 21301Y2-2014 CIP Code: 480508 Total Hours: 7					
WLT 1155: Pipe Welding	1	2		5	29
1. Demonstrate safety precautions, and identify pipe weld test positions. 2. Describe differences in pipe and tubing and describe faults in pipe welding. 3. Use correct methods for preparation and fitting of pipe, and demonstrate correct pipe welding procedures. 4. Perform open V-grooved pipe welds and bend tests. 5. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
WLT 1252: Advanced Pipe Welding	1	2		2	11
1. Fabricate and weld pipe according to specifications using multiple positions. 2. Perform open butt V-groove pipe welds using multiple positions and bend tests. 3. NCCER Welding Level 1: Module 29106-09 - Weld Quality					
Active Items					40
Field-Test Items					10
TOTAL ASSESSED ITEMS					50