

SEC – Transportation Logistics Blueprints

This document contains the blueprints for the concentration areas in secondary Transportation Logistics. The competencies and hours for this blueprint were obtained from the curriculum framework.

Year 1 students will be assessed using the MS-CPAS2 (Y1) assessment.

Year 2 students will be assessed using the PB (Performance Based) assessment.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
997300, 997302, 997303	11689Y1-2013	Transportation Logistics	
997301, 997304, 997305	11689PB-2013	Transportation Logistics	

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
Transportation Logistics	MS-CPAS2*	MS-CPAS2*	NA*	NA*	NA*	NA*

* 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: Transportation Logistics
Test Code: 11689Y1-2013
CIP Code: 520203
Course Codes: 997300, 997302, 997303
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: Transportation Logistics					
Test Code: 11689Y1-2013				DOK	Instructional
CIP Code: 520203				Level(s)	Hours
Total Hours: 200					Total
					Items
Unit 1: Not on CPAS					
Unit 2: Environmental Safety and Health	1	2		15	6
1. Identify and describe the basics of safety in a distribution facility.					
Unit 3: Overview of Supply Chain Management, Transportation, and Distribution	1	2		15	6
1. Develop an understanding of the relationship between supply and demand, transportation, and distribution.					
Unit 4: Basic Material-Handling Equipment and Technology	1	2		35	14
1. Discuss the various types of basic material-handling equipment and technology.					
Unit 5: Procurement and Inventory Management	1	2		30	12
1. Identify and describe the fundamental concepts of inventory management.					
Unit 6: Receiving, Stocking, and Put-away Procedures	1			50	20
1. Discuss procedures regarding receiving, stocking, and processing.					
Unit 7: Order Selection and Packing Procedures	1	2		55	22
1. Demonstrate an understanding of packing procedures.					
Active Items					80
Field-Test Items					20
TOTAL ASSESSED ITEMS					100



MS-CPAS2 Blueprint Summary

Assessment: Transportation Logistics
Test Code: 11689PB-2013
CIP Code: 520203
Course Codes: 997301, 997304, 997305
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.
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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>

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Assessment: Transportation Logistics Test Code: 11689PB-2013 CIP Code: 520203 Total Hours: 140	DOK Level(s)			Instructional Hours	Total Items
	1	2	3		
Unit 8: Not on CPAS					
Unit 9: Introduction to Intermodal Transportation	1	2		35	
1. Discuss the different aspects of intermodal transportation.					
Unit 10: Advanced Material-Handling Equipment and Technology	1	2		35	
1. Develop an understanding of advanced handling equipment and technology.					
Unit 11: Managing Distribution Center and Warehouse	1	2		40	
1. Explain various aspects of facility design and management.					
Unit 12: Logistics and Supply Chain Management	1	2		65	
1. Discuss supply chain management and logistics terminology.					