

SEC – Health Science Core Blueprints

This document contains the blueprints for the concentration areas in secondary Health Science (Core). The competencies and hours for this blueprint were obtained from the curriculum framework.

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

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
995100, 995102, 995103	10808Y1-2014	Health Science 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
Health Science Core	MS-CPAS2*	See Healthcare and Clinical Services, Dental Assisting or Sports Medicine*	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: Health Science Core
Test Code: 10808Y1-2014
CIP Code: 510000
Course Codes: 995100, 995102, 995103
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: Health Science Core					
Test Code: 10808Y1-2014					
CIP Code: 510000				DOK Level(s)	Instructional Hours
Total Hours: 215					Total Items
Unit 1: Not on CPAS					
Unit 2: Safety and Infection Control	1	2		35	14
1. Describe personal and environmental safety practices. 2. Identify common safety hazards. 3. Utilize emergency procedures and protocols. 4. Describe the principles of infection control. 5. Explain standard precaution based on Occupational Safety and Health Administration (OSHA) and Centers for Disease 6. Describe the principles of sterile technique. 7. Explain the importance of maintaining transmission-based isolation precautions.					
Unit 3: Health Care Systems, Legal and Ethical Practices	1	2	3	25	9
1. Explain the role of the health care professional in a department, organization, and the overall health care environment. 2. Identify how health care systems affect the services that are performed and the quality of care. 3. Describe the legal implications associated with health care. 4. Describe and demonstrate legal practices associated with health care. 5. Recognize and discuss ethical boundaries within the health care environment. 6. Discuss the accepted ethical practices within the health care environment. 7. Identify cultural, social, and ethnic diversity within the health care environment.					
Unit 4: Communication and Teamwork	1	2		28	9
1. Describe the concepts of effective communication. 2. Compare the roles and responsibilities of individual members as part of the health care team. 3. Explain the principles of interacting effectively and sensitively with all members of the health care team. 4. Introduce appropriate medical terminology and abbreviations.					
Unit 5: Body Organization, Covering, Support, and Movement	1	2		45	17
1. Describe the organization of the body. 2. Discuss the structures and functions of the integumentary system. 3. Explain diseases and disorders of the integumentary system and related signs and symptoms and treatment methods. 4. Compare the structures and functions of the skeletal system with its relationship to movement. 5. Discuss diseases and disorders of the skeletal system and related signs, symptoms, and treatment methods. 6. Compare the structures and functions of the muscular system with its relationship to movement. 7. Discuss diseases, disorders, and injury of the muscular system and related signs, symptoms, and treatment methods.					
Unit 6: Vital Organs and Protection		1	2	42	16
1. Identify and discuss the structures and functions of the cardiovascular system and their role in maintaining homeostasis. 2. Discuss diseases and disorders of the cardiovascular system and related signs, symptoms, and treatment methods. 3. Describe the structures and functions of the respiratory system. 4. Discuss diseases and disorders of the respiratory system and related signs, symptoms, and treatment methods.					



- 5. Explain the structures and functions of the lymphatic system.
- 6. Discuss diseases and disorders of the lymphatic system and related signs, symptoms, and treatment methods.

Unit 7: Intake and Elimination	1	2	40	15
1. Describe the structures and functions of the digestive system.				
2. Discuss diseases and disorders of the digestive system and related signs, symptoms, and treatment methods.				
3. Explain the structures and functions of the urinary system as they relate to the formation, composition, and elimination				
4. Discuss diseases and disorders of the urinary system and related signs, symptoms, and treatment methods.				
Active Items				80
Field-Test Items				20
TOTAL ASSESSED ITEMS				100