



SEC – Dental Assisting Blueprints

This document contains the blueprints for the concentration areas in secondary Dental Assisting Technology.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
995300	10830Y2-2014	Dental Assisting Technology	

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
Dental Assisting Technology	See Health Science Core*	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: Dental Assisting Technology
Test Code: 10830Y2-2014
CIP Code: 510601
Course Codes: 995300
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: Dental Assisting Technology	DOK Level(s)			Instructional Hours	Total Items
	Test Code: 10830Y2-2014	1	2		
CIP Code: 510601					
Total Hours: 205					
Unit 1: Dental Orientation	1	2		15	7
1. Discuss the development, function, status, and organization of the dental profession. 2. Discuss the educational requirements of the members of the dental profession. 3. Explain the professional, legal, and ethical responsibilities of the dental assistant. 4. Recognize and discuss word components, terms, and abbreviations related to the dental profession.					
Unit 2: Dental Assisting Materials	1	2		60	23
1. Relate safety requirements for handling dental materials and equipment. 2. Identify various dental materials. 3. Describe characteristics of gypsum products. 4. Describe the uses and properties of preventive dental materials. 5. Explain characteristics of dental cements and liners. 6. Discuss the uses and properties of dental waxes. 7. Discuss the uses and properties of plastics in dentistry. 8. Describe the uses and properties of precious and non-precious metals. 9. Discuss the properties of amalgam. 10. Describe the uses and properties of impression materials. 11. Demonstrate manipulation of gypsum products. 12. Demonstrate manipulation of dental cements and liners. 13. Describe various dental waxes. 14. Demonstrate manipulation of dental plastics. 15. Demonstrate manipulation of dental amalgam. 16. Demonstrate manipulation of impression materials.					
Unit 3: Dental Science I	1	2		55	21
1. Describe primary and permanent dentition. 2. Illustrate the anatomy of a tooth. 3. Describe the anatomy and physiology of the head and neck. 4. Describe the relationships of body systems to the dental patient.					
Unit 4: Chairside Assisting I	1	2	3	75	29
1. Describe infection control procedures in a preclinical setting. 2. Demonstrate infection control procedures in a preclinical setting. 3. Assess patient data. 4. Describe the role of the assistant in chairside emergencies. 5. Describe the equipment in a dental office. 6. Demonstrate the use of selected equipment found in a dental office. 7. Explain the role of the assistant in four-handed dentistry. 8. Demonstrate the use of hand instruments. 9. Explain the use of rotary instruments. 10. Implement charting techniques.					



- 11. Demonstrate the procedure for local anesthesia.
- 12. Demonstrate the amalgam procedure.
- 13. Demonstrate the composite procedure.
- 14. Demonstrate the procedure for a temporary restoration.

	Active Items	80
	Field-Test Items	20
	TOTAL ASSESSED ITEMS	100