

MS-CPAS Blueprint Summary

Assessment: Forestry Technology
Test Code: 20144Y1-2011
CIP Code: 030511
Course Codes:
Type: PS

The MS-CPAS 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-CPAS 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-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: Forestry Technology				DOK Level(s)	Instructional Hours	Total Items
Test Code: 20144Y1-2011						
CIP Code: 030511						
Total Hours: 7						
FOT 1114: Forest Measurements I					4	23
1. Establish the physical location of timber and forest products to be cruised. 2. Apply sampling techniques to measure standing timber and forest products on a given tract of land. 3. Process field data to determine volume and weight of forest products on a given plot of land. 4. Summarize field data and prepare a cruise report.						
FOT 1813: Introduction to Forestry					3	17
1. Trace the development of forestry in Mississippi and in the United States. 2. Explore educational and career opportunities in forestry and the forest products industries. 3. Apply common terminology used in forest occupations.						
					Active Items	40
					Field-Test Items	10
					TOTAL ASSESSED ITEMS	50

MS-CPAS Blueprint Summary

Assessment: Forestry Technology
Test Code: 20144Y2-2011
CIP Code: 030511
Course Codes:
Type: PS

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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: Forestry Technology						
Test Code: 20144Y2-2011						
CIP Code: 030511				DOK Level(s)	Instructional Hours	
Total Hours: 16					Total Items	
FOT 1714: Applied Dendrology					4	10
1. Apply the binomial classification system. 2. Apply site–species relationships. 3. Identify commercially important tree species.						
FOT 2124: Forest Surveying and Spatial Applications					4	10
1. Interpret the legal description of land. 2. Locate and interpret land deeds. 3. Interpret maps and spatial imagery. 4. Demonstrate the use of surveying equipment and instruments in forestry technology occupations. 5. Demonstrate surveying practices used in forestry technology occupations.						
FOT 2424: Timber Harvesting					4	10
1. Describe timber harvesting equipment and practices used in the southeastern United States. 2. Identify regulations associated with timber harvesting operations. 3. Prepare a timber harvesting plan for a given parcel of timber. 4. Interpret a timber sale contract (legal terminology).						
FOT 2614: Silviculture I					4	10
1. Apply principles of tree physiology (silvics). 2. Apply principles of regeneration and reproductive methods. 3. Select intermediate cutting procedures for various stands of timber.						
					Active Items	40
					Field-Test Items	10
					TOTAL ASSESSED ITEMS	50