



Name _____

MSIS ID _____

School/College/University _____

Career Pathway: Horticulture

This Pathway can serve as a guide, along with other career planning materials. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. This should be customized with course titles and appropriate district and high school graduation requirements and course options. Refer to the latest version of the approved courses for the secondary schools of Mississippi at the MDE's Web site.

LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Electives	Pathway Suggested Related Electives		
<i>Interest Inventory Administered and Pathway Selected for all Learners</i>							CTE	Other Secondary Electives	
SECONDARY	7	Seventh Grade Language Arts	Seventh Grade Math or Pre-Algebra	Seventh Grade Science	Seventh Grade (Eastern Hemisphere Studies to 1750)	Information and Communication Technology I	Horticulture I (2)* Horticulture II (2)* Introduction to Horticulture (1) Horticulture Plant Processes (1)	Botany (1) Zoology (1) Environmental Science (.5) Genetics (.5) Organic Chemistry (.5) Biology II (1) Microbiology (.5) Personal Finance (.5) Web Page Design and Media Rich Content (1) Oral Communication (1) Foreign Language JROTC (1)	
	8	Eighth Grade Language Arts	Pre-Algebra or Algebra I	Eighth Grade Science	Eighth Grade (United States History to 1877)	Information and Communication Technology II	Horticulture Nursery (1) Horticulture Landscape and Turf grass (1) Career Pathway Experience (.5,1,2)		
	9	English I or Accelerated English	Algebra I or Geometry	Physics or Biology I	Geography (1/2) & MS Studies (1/2)	Contemporary Health (1/2) Business & Technology (1)	Entrepreneurship (1) Introduction to Agriscience(1)**		
	10	English II or Accelerated English	Geometry or Algebra II	Biology I or Chemistry I	World History	Art Physical Education			
	11	English III	Trigonometry, Pre-Calculus, or Algebra II	Chemistry or Physics	U.S. History				
	12	English IV or AP English (offered in a dual credit environment)	Trigonometry, Pre-Calculus, Statistics, or AP Calculus	Physics or science course	U.S. Government (1/2) & Economics (1/2)		* The Horticulture courses (bold) in this pathway may be taken as two 2-credit courses or four 1-credit courses as shown above. (CPE, Entrepreneurship, and Introduction to Agriscience do not count toward completer status.) ** One Science Unit maybe awarded in Intro. to Agriscience. Note: Two Science units may be awarded for completion of the sequence of courses.		
<i>College Placement Assessments-Academic/Career Advisement Provided</i>									
<i>Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>									
POSTSECONDARY	Year 13	English Composition English Literature	Algebra or Calculus	Lab Science	Economics Psychology	All pathways need to meet learners' career goals with regard to required degrees, licenses, or certifications. Certain local student organization activities may also be important to include.			
	Year 14	Speech/ Oral Communication Technical Writing	Business Accounting, Pre-Calculus, or Calculus		<i>Dependent on chosen major</i>				
	Year 15	Continue courses in the area of specialization.							
	Year 16	Continue courses in the area of specialization.							
							NOTE: To view postsecondary CTE articulation: www.sbcjc.cc.ms.us/pdfs/ct/StatewideArtManual2010.pdf		