



Name _____

MSIS ID _____

School/College/University _____

Career Pathway: Metal Fabrication

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	
							CTE	Other Secondary Electives
<i>Interest Inventory Administered and Pathway Selected for all Learners</i>								
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	Precision Machining I (2)* Precision Machining II (2)* Fundamentals of Precision Machining (1) Application of Precision Machining (1) Theory of Precision Machining (1) Advanced Skills of Precision Machining (1) Career Pathways Experience (.5,1,2) Entrepreneurship (1)	Accounting Fundamentals (1) Business Finance (1) Personal Finance (.5) Oral Communication (1) Drawing I (.5) Drawing II (.5) Marketing Essentials (1) Marketing (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		
	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)		
	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			
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>							
	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 courses in this pathway can be taken as two 2-credit courses or four 1-credit courses as shown above.	

Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.

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.	NOTE: To view postsecondary CTE articulation: www.sbcjc.cc.ms.us/pdfs/ct/StatewideArtManual2010.pdf	
	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							