



# Northeast CTE Agriscience and Biotechnology Pathway Plan

**Cluster:** Agriscience, Food, and Natural Resources

**Pathway:** Agribusiness Systems

This Career Pathway can serve as a guide, along with other career planning materials, as students continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each student's educational and career goals. 28 credits needed for graduation.

**Student Name:** \_\_\_\_\_

**Grade:** \_\_\_\_\_

**School Name:** \_\_\_\_\_

**\*\*This pathway template is designed at the regional level and is intended to be modified locally. It may also be used to customize individual student experiences.**

		English							
		Grade	Language Arts	Math	Science	Social Studies	Others	Workbased Learning Experiences	
Academic	9	English I	Math I	an Earth Science	World History	Health/P.E.		FFA	
	10	English II	Math II	Biology	Civics and Economics			FBLA	
	11	English III	Math III	a physical science	American Hist I/II			Job Shadowing	
	12	English IV	Math elective					Internships	
		Students planning to attend 4 year university should take two foreign languages--one being 2nd level						Apprenticeships	
		Electives--Students choose from CTE Foundation & Enhancement options below.						field trips	
CTE Preparation	Foundation	<b>Complete minimum of 4 Courses to Earn CTE Concentrator Status--one must be starred * course</b>						classroom speakers	
		<u>Suggested Agriculture-Rich Foundational Courses</u>			<u>Suggested Management-Rich Foundational Courses</u>			Supervised Agricultural Experiences (SAE's)	
		Agriscience Applications			Project Management I			4 -H	
		<i>A traditional Ag course sequence in the areas below:</i>			Project Management II*			<b>Articulated College Credit Opportunities</b>	
		Agricultural Mechanics sequence			Project Management III				
		Horticulture sequence							Agricultural Mechanics II
	Animal Science sequence						Animal Science II		ANS 110
	Enhancement	<b>Students Can Opt to Replace One Foundation Course Above with an Enhancement Course</b>						Horticulture I	HOR 150
		MSITA Word, PowerPoint, and Publisher			Principles of Business and Finance			Horticulture II Landscaping	HOR 114 or LSG 11
		MSITA Excel and Access			Accounting I, II*			Accounting I	ACC 115 or ACC 118
Entrepreneurship I, II*			Marketing I, II*			Accounting II	ACC 115 or ACC 118 or ACC 119		
Credentials	MOS Word		Venture Entrepreneurial Expedition				MSITA Word, PP, Publisher	CIS 111 or CIS 124 or OST 136	
	MOS PowerPoint		Concepts of Entrepreneurship and Management & Venture Entrepreneurial Expedition				Marketing I	ETR 230 or MKT110 OR MKT 120	
	MOS Excel		<i>Ag credentials are dependant upon course sequence. See chart below.</i>				Entrepreneurship I	ETR 210	
	MOS Access		<i>Community College certificates/credentials will vary by college course offerings.</i>						
Career Counseling	<b>8th Grade</b>		<b>9-12th Grade</b>				<b>Career Diploma Endorsement Requirements</b>		
	Exploring Career Decisions ACT Aspire Career Counseling _____>		ACT Aspire--10th grade ACT College Readiness Assessment (11) ACT WorkKeys (12)				CTE Concentrator Status 2.6 Unweighted GPA Mimimum of one industry credential		