



# Northeast Region Health Sciences Pathway Plan

**Cluster: Health Science**

**Pathway: Biotechnology Research and Development**

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: \_\_\_\_\_

Students are strongly encouraged to participate in honors, advanced placement, and College and Career Promise options.

		English									
		Grade	Language Arts	Math	Science	Social Studies	Others	Workbased Learning Experiences			
Academic	9	English I-1cr	Math I-1cr	an Earth Science-1cr	World History-1cr	Health/PE-1cr	HOSA CTE Internships Job Shadowing Field Trips Classroom Speakers				
	10	English II-1cr	Math II-1cr	Biology-1cr	American History I/II-2cr						
	11	English III-1cr	Math III-1cr	a Physical Science-1cr	Civics and Economics-1cr						
	12	English IV-1cr	Math IV-1cr								
	Students planning to attend 4 year university should take two foreign languages--one being 2nd level										
Electives--Students choose from CTE Foundation & Enhancement options below.											
CTE Preparation	Foundation	<b>Complete minimum of 4 Courses to Earn CTE Concentrator Status--one must be starred * course</b>									
		<b>Foundational Course Options</b>									
		PLTW Principles of Biomedical Sciences		Biomedical Technology I		CCP options*see local CC		<b>Articulated College Credit Options</b>			
	PLTW Human Body Systems		Biomedical Technology II*								
	PTLW Medical Inventions		Health Science I								
	PLTW Medical Innovations		Health Science II*								
	Enhancement	<b>Students Can Opt to Replace One Foundation Course Above with an Enhancement Course</b>					Health Science I MED 121 and MED 122				
		Career Management			Microsoft Word & Powerpoint			Health Science II		HSC-110 AND (HSC-120 OR MED-180)	
		Microsoft Excel & Access			Personal Finance/Principles of Business and Finance			Microsoft Word and PPT		CIS-111 OR CIS-124 OR OST-136)	
		CTE Internship			Foods I			Personal Finance		BUS-125	
Credentials	Career Readiness Credential					<b>Community College Credentials and Certificates</b>  <b>will vary by college program offerings.</b>					
	NCHSE										
	CPR and First Aid										
	OSHA 10 Hour										
Career Counseling	<b>8th Grade</b>				<b>9-12th Grade</b>						
	Exploring Career Decisions ACT Explore Career Counseling				ACT PLAN--10th grade ACT College Readiness Assessment						
								<b>Career Diploma Endorsement Requirements</b>			
								CTE Concentrator Status			
								2.6 Unweighted GPA			
								Minimum of one industry credential			