


<b>Career Cluster: Health Science</b>					<b>CTE Program: Biomedical Sciences</b>			
<b>Career Cluster Pathway: Biotechnology Laboratory Technology A.S.</b>					<b>Industry Certification: (CERBHB001) Biotechnician Assistant</b>			
	<b>16 CORE CURRICULUM CREDITS</b>						<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)		<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://fchoices.org">fchoices.org</a> to explore careers and postsecondary options.</li> <li>Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	<b>9<sup>th</sup></b>	English I	Algebra I	Physical Science	World Cultural Geography	Physical Education (1credit) (Not required for ACCEL Program)	Principles of the Biomedical Sciences	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>10<sup>th</sup></b>	English II	Geometry	Biology	World History		Human Body Systems	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11<sup>th</sup></b>	English III	Algebra II	Chemistry or Marine Science.	United States History	Practical Arts or Fine Arts course (1 credit)	Medical Interventions	Other elective course appropriate for student's career and education plan.
	<b>12<sup>th</sup></b>	English IV	Pre-Calculus	Elective	American Government		Biomedical Innovation	Other elective course appropriate for student's career and education plan.
<b>POSTSECONDARY</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	<b>TECHNICAL CENTER PROGRAM(S)</b>			<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>	
				Santa Fe College: Biotechnology Laboratory Technology A.S.			University of Florida: ( BIOTECHNOLOGY) Agricultural and Life Sciences B.S.	
<b>CAREER</b>	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	Medical Assistant		Medical Laboratory Assistant					

Articulation and CTE Dual Enrollment Opportunities				
CREDIT	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)		PSAV/PSV to AAS or AS/BS/BAS
		Secondary Courses/Certifications	SantaFe College	
		Principles of the Biomedical Sciences Human Body Systems Medical Interventions Chemistry I or Chemistry I Honors or Chemistry II or AICE Chemistry I or Pre IB Chemistry I Biotechnician Assistant (CERBHB001)	BSC 1421 Introduction to Biotechnology BSC 1421L Introduction to Biotechnology CHM 1030 Elements of Chemistry I CHM1030L Elements of Chemistry Lab	
Career and Technical Student Association				
Health Occupations Students of America, Inc. (HOSA)				
Internship/Work Experience Recommendations				
Local Laboratories. Internship or shadowing experiences available.				
Program of Study Graduation Requirements: <a href="http://www.fldoe.org/academics/graduation-requirements/index.stml">http://www.fldoe.org/academics/graduation-requirements/index.stml</a>				