


HERNANDO COUNTY SCHOOL DISTRICT

<b>Career Cluster: Manufacturing</b>				<b>CTE Academy: Industrial Biotechnology/STEM</b>				
<b>Career Cluster Pathway: Biotechnology Research and Development</b>				<b>Industry Certification: Biotechnician Assistant @</b>				
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits <small>*FSA Level 3 score required</small>	<b>MATH</b> 4 credits <small>*EOC Level 3 score required</small>	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> <small>FINE ARTS (1 credit), PHYSICAL EDUCATION (1 credit),</small>	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> <small>(ALIGNED WITH COMMUNITY COLLEGE &amp; STATE UNIVERSITY SYSTEM PROGRAMS)</small>	
<b>HIGH SCHOOL (CHS)</b>	<b>Diploma Options: (1) 24 Credit (2) 18 Credit ACCEL (3) International Baccalaureate</b>							
	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://mycareershines.org">mycareershines.org</a> to explore careers and postsecondary options and complete a career plan.</li> <li>Students are also encouraged to participate in Advanced Placement and Dual Enrollment courses which may be used to satisfy required graduation courses 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</li> </ul>							
	<b>9<sup>th</sup></b>	English 1 1001310	*Algebra 1 1200310	Biology 2000310	World History 2109310	HOPE (meets PE requirement)	Biotechnology 1 3027010 <b>EQ</b>	Foreign Language
	<b>10<sup>th</sup></b>	*English 2 1001340	Geometry 1206310	Physical Science 2003310	US History 2100310	FINE ARTS	Biotechnology 2 3027020 <b>EQ</b>	Foreign Language
	<b>11<sup>th</sup></b>	English 3 1001370	Algebra 2 1200330	3 <sup>rd</sup> year Science (met with Biotechnology 1)	US Govt and Econ w/ Financial Literacy 2106310 & 2102335		Biotechnology 3 8736030 <b>#</b>	
<b>12<sup>th</sup></b>	4 <sup>th</sup> year English	4 <sup>th</sup> year Math	Chemistry 2003340 (recommended)					
<b>Post-Secondary</b>	<b>Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>STATE &amp; COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Health Sciences		Laboratory Technician, Quality Control Technician, Environmental Health & Safety Technician, Bio-fuel Technician			Biomedical Engineer, Senior Scientist for Process and Assay Development, Quality Assurance Specialist		
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
			Statewide Articulation Agreement 3 credits for successful completion of Biotechnician Assistant Industry Certification					
<b>*=EOC Level 3 Requirements    #=Honors Weight    EQ=Science Equivalent Course    @= Course Substitution    PA= Fine/Performing Arts Credit</b>								
<b>Career and Technical Student Association: NA</b>								
<b>Internship/Work Experience Recommendations: NA</b>								
<b>Program of Study Graduation Requirements: <a href="http://www.fldoe.org/bii/studentpro/grad-require.asp">http://www.fldoe.org/bii/studentpro/grad-require.asp</a></b>								

Student Name: \_\_\_\_\_  
 Student Signature: \_\_\_\_\_  
 Parent Signature: \_\_\_\_\_

Student ID#: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Date: \_\_\_\_\_

Diploma Designation  
 Scholar \_\_\_\_\_  
 Merit \_\_\_\_\_

HERNANDO COUNTY SCHOOL DISTRICT

*A Program of Study (POS) is a student chosen career path option that requires the completion of a sequence of yearlong courses that:*

- a) Incorporate both secondary and post-secondary education elements*
- b) Include rigorous content, challenging academic standards and relevant career and technical content*
- c) May allow students to participate in dual or concurrent enrollment programs or otherwise acquire post-secondary credit*
- d) Result in an industry-recognized credential or certificate, measured by an industry assessment*

*Once a student begins a program of study, they cannot divert from that program unless they receive administrative approval.*