


HERNANDO COUNTY SCHOOL DISTRICT

<b>Career Cluster:</b> Engineering & Technology Education				<b>CTE Academy:</b> Production Technology-Engineering/ <b>STEM</b>				
<b>Career Cluster Pathway:</b> Engineering & Technology				<b>Industry Certification:</b> (MSSC) – Certified Production Technician @, RECF Robotics				
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits  *FSA Level 3 score required	<b>MATH</b> 4 credits  *EOC Level 3 score required	<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 (NCTHS)</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	Physical Science 2003310	World History 2109310	HOPE (meets PE requirement)	Production Technology 1 8600540 <b>PA</b>	Foreign Language
	<b>10<sup>th</sup></b>	*English 2 1001340	Geometry 1206310	Biology 2000310	US History 2100310	FINE ARTS (met with Prod Tech 2)	Production Technology 2 8600640 <b>PA</b>	Foreign Language
	<b>11<sup>th</sup></b>	English 3 1001370	Algebra 2 1200330	3 <sup>rd</sup> year Science	US Govt and Econ w/ Financial Literacy 2106310 & 2102335		Production Technology 3 8601740 # @ <b>PA</b>	
<b>12<sup>th</sup></b>	4 <sup>th</sup> year English	4 <sup>th</sup> year Math						
<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>		
Advanced Manufacturing & Production Technology Suncoast Technical Education Center			PHSC, Daytona State College AAS/AS Engineering Technology		BS in Engineering Technology BS in Engineering			
<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Production Helpers, Production Worker, Team Assemblers			Engineering Technician, Machinists, Tool and Die Makers, Manufacturing Production Technicians		Industrial Engineering Technician		
<b>CREDIT</b>	<b>Production Worker</b>							
	Statewide Articulation Agreement up to 15 credits for successful completion of MSSC Certified Production Technician Industry Certification							
* =EOC Level 3 Requirements    # =Honors Weight    EQ = Science Equivalent Course    @ = Course Substitution    PA = Fine/Performing Arts Credit								
<b>Career and Technical Student Association: VEX Robotics Competition Team 8271A</b>								
<b>Internship/Work Experience Recommendations: AmSkills Apprenticeship Program</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 \_\_\_\_\_

*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.*