


<b>Career Cluster: Engineering &amp; Technology Education</b>	<b>Secondary CTE Program: Aerospace Technologies (8600080)</b> <b>Post-Secondary Program: Unmanned Vehicle Systems, AS</b>
<b>Career Cluster Pathway: Engineering and Technology</b>	<b>Secondary Industry Certification:</b> USINS001 – Small UAS Safety Certification (.2) <b>Post-Secondary Industry Certification:</b> FEDAA002 – FAA Aviation Maintenance Technician General FEDAA004 – FAA Aviation Mechanic Technician Airframe

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<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>• 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> <li>• Students should talk with their counselors about the availability and requirements of AP and Dual courses which are paid for by Walton County School District while you are enrolled in high school. The college credit hours may be used in your Post-secondary education.</li> <li>• Students are also encouraged to participate in CTE dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. Three courses are required within one program for BF – GSV.</li> <li>• Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> </ul>							
	<b>9<sup>th</sup></b>	English I or English I Honors	Algebra 1A or Geometry Honors	Biology or Biology Honors	Online Required Course or Other Student Choice Elective	Physical Education (1 credit) / HOPE (PE Variation)	Aerospace Technologies I 8600580	Elective Practical/Fine Arts
	<b>10<sup>th</sup></b>	English II or English II Honors	Algebra 1B or Algebra 2 Honors	Biology or Chemistry Honors	World History or World History Honors	Practical Arts or Fine Arts course (1 credit)	Aerospace Technologies II 8600680	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>11<sup>th</sup></b>	English III or English III Honors or AP Lang	Math for College Algebra or Pre-Calc or Math Financial Lit	Enviro Science or Physics Honors or Anat & Phys Honors	US History or US History Honors	Personal Finance (Online Course)	Aerospace Technologies III 8601780	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	<b>12<sup>th</sup></b>	English IV or English IV Honors or AP Lit	Math Financial Lit or Calculus	Anat & Phys Honors or Physics Honors	American Gov/Econ or American Govt/Econ Honors	Student Choice Elective	Work Study or DUAL	Student Choice Elective

<b>POSTSECONDARY (PATHWAYS)</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL COLLEGE PROGRAM(S)</b>	<b>STATE COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	<b>George Stone Technical College</b> Aviation Airframe Mechanics Aviation Powerplant Mechanics	<b>Gulf Coast State College</b> Unmanned Vehicle Systems, AS Engineering Technology, AS Engineering Technology Support Specialist, CCC <b>NWFSC</b> Engineering Technology, AS Engineering Technology Support Specialist, CCC <b>Pensacola State College</b> Electronics Engineering Technology, AS Engineering Technology Support Specialist, CCC	<b>Embry Riddle Aeronautical Univ.</b> Unmanned Aircraft Systems Science, BS Aerospace Engineering Electrical Engineering Computer Engineering <b>UWF</b> Electrical Engineering Mechanical Engineering Computer Engineering <b>FSU</b> Electrical Engineering Industrial Engineering
<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>		
	Aeronautical Engineer Aerospace Engineer Agricultural Engineer Agricultural Technician Commercial Pilot Flight Engineer	Architectural Engineer Biomedical Engineer CAD Technician Civil Engineer Electrical Engineer	Industrial Engineer Mechanical Engineer Nuclear Engineer Petroleum Engineer Transportation Engineer
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>		
	<b>Secondary to Technical College (PSAV)</b> (Minimum # of clock hours awarded)	<b>Technical College to State College Degree</b> (Minimum # of clock or credit hours awarded)	<b>AS to BS</b> (Statewide and other local agreements may be included here)
	<b>N/A</b>	<b>Small UAS Safety Certification</b> shall articulate one (1) college credit hour to the AAS/AS Degree in Professional Pilot Technology.	Total Electronics Engineering Technology <b>AS Degree Program</b> = 68 Cr. hours to transfer into Electronic Engineering Technology, BA
	Embry Riddle Aeronautical University agreement with PHS for 3 cr. Hrs. in AS120 Principles of Aero, 3 cr. Hrs. in AS220 Unmanned Aircraft Systems, & 5 cr. Hrs. in AS121 Private Pilot Operations		
<b>Career and Technical Student Association</b>			
<b>SkillsUSA or FL-Technology Student Association (TSA)</b>			
<b>Non-Traditional Program Status:</b> Aerospace Technologies is viewed as gender neutral.		<b>2020 Regional Hourly Wage Range: (entry and mean)</b> Civil Engineers: \$30.29 - \$45.87 Operating Engineers: \$12.94 - \$18.24 Electrical Engineering Technicians: \$28.56 - \$35.27 Aircraft Mechanics and Service Technicians: \$24.96 - \$31.39 Aerospace Engineers: \$33.83 - \$49.03	
<b>Program of Study Graduation Requirements:</b> <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a> <b>Wage Information provided by Florida Department of Economic Opportunity – Bureau of Workforce Statistics and Economic Research –</b> <a href="http://www.floridajobs.org/workforce-statistics/publications-and-reports/labor-market-information-reports/regional-demand-occupations-list">http://www.floridajobs.org/workforce-statistics/publications-and-reports/labor-market-information-reports/regional-demand-occupations-list</a>			