


Career Cluster: Engineering & Technology Education					Secondary CTE Program: Aerospace Technologies (8600080) Post-Secondary: Unmanned Vehicle Systems, AS				
Career Cluster Pathway: Engineering and Technology					Secondary Industry Certification: USINS001 – Small UAS Safety Certification (.2) USINS002 – Visual Line of Sight Operator (.2) Post-Secondary Industry Certification: FEDAA006 – FAA Commercial Pilot FEDAA011 – FAA Private Pilot				
 Walton High School		16 CORE CURRICULUM CREDITS				8 ADDITIONAL CREDITS			
		ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL		<ul style="list-style-type: none"> • 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. • 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. • 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. • Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org. 							
		9th	English 1 or English I Honors	Algebra 1 or Geometry	Physical Science or Biology or Biology Honors	AP Human Geography	PE/HOPE (1 credit) Personal Finance (online grad req.)	Aerospace Technologies I 8600580	Student Choice Elective
		10th	English II or English II Honors	Geometry or Geometry Honors or Liberal Arts or Algebra II or Algebra II Honors	Biology or Biology Honors or Chemistry Honors	World History or AP World History	Practical Arts or Fine Arts course (1 credit)	Principles of Aeronautical Science - ASC1000 & Unmanned Aircraft Systems – ASC2560 (DUAL)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
		11th	English III or AP English Lang/Comp	Math for College Readiness or Pre-Calculus or Algebra II	Earth-Space or Marine Science Honors or Anatomy & Physiology	US History or AP US History	Practical Arts or Fine Arts course (1 credit)	Private Pilot Operations ATF1103 (Dual)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
		12th	English IV or AP English Literature	Math for College Readiness or College Algebra or Statistics (DE)	Chemistry Honors or Anatomy & Physiology or AP Physics 1/2	American Government/ Economics or American Govt/Econ Honors	Psychology or Student Choice Elective	Student Choice Elective	Student Choice Elective

POSTSECONDARY (PATHWAYS)	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	TECHNICAL COLLEGE PROGRAM(S)	STATE COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
		Gulf Coast State College Unmanned Vehicle Systems, AS Engineering Technology, AS Engineering Technology Support Specialist, CCC NWFSC Engineering Technology, AS Engineering Technology Support Specialist, CCC Pensacola State College Engineering Technology, AS Engineering Technology Support Specialist, CT	Embry Riddle Aeronautical University Unmanned Aircraft Systems Science, BS Aerospace Engineering Electrical Engineering Computer Engineering UWF Electrical Engineering Mechanical Engineering Computer Engineering FSU Electrical Engineering Industrial Engineering
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	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
CREDIT	Articulation and CTE Dual Enrollment Opportunities		
	Secondary to Technical College (PSAV) (Minimum # of clock hours awarded)	Technical College to State College Degree (Minimum # of clock or credit hours awarded)	AS to BS (Statewide and other local agreements may be included here)
	N/A	Small UAS Safety Certification shall articulate one (1) college credit hours to the AAS/AS Degree in Professional Pilot Technology. Autodesk Certified User – AutoCAD certification shall articulate three (3) college credit hours the AAS/AS Degree in Drafting and Design Technology. FAA Ground School shall articulate three (3) college credit hours to the AAS/AS Degree in Unmanned Vehicle Systems Operations.	Total Electronics Engineering Technology AS Degree Program = 68 Cr. hours to transfer into Electronic Engineering Technology, BA
Career and Technical Student Association			
SkillsUSA or FL-Technology Student Association (TSA)			
Non-Traditional Program Status: Aerospace Technologies is viewed as gender neutral.		Salary Range: (entry and exit salaries) Commercial Pilot: \$39,430 – \$147,240 Flight Engineer: \$65,000 – \$195,550 Mechanical Engineers: \$53,640 - \$128,430 Electrical Engineers: \$59,240 - \$146,820 Aerospace Engineers: \$67,850 - \$158,700	
Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements Salary Information provided by US Dept. of Labor – Bureau of Labor Statistics – State of Florida (May 2015) http://www.bls.gov/oes/current/oes_fl.htm#29-0000			