Career Cluster: Science, Technology, Engineering & Mathematics (STEM)	**Secondary CTE Program: Applied Robotics (9410100)** **Post-Secondary Program: Electronics Engineering Technology**
Career Cluster Pathway: Engineering & Technology Education	**Secondary Industry Certification:** **Post-Secondary Industry Certification: Certified Electronics Technician (ISCET001)**

Walton COUNTY SCHOOL DISTRICT **South 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)

- **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.**

HIGH SCHOOL								
	9th	**English 1**	**Algebra 1**	**Environmental Science or Biology**	**World Culture Geography**	**Physical Education (1 credit) / HOPE (PE Variation)**	**Foundations of Robotics 9410110**	**Elective Practical/Fine Arts**
	10th	**English II**	**Geometry**	**Biology or Anatomy & Physiology**	**World History**	**Practical Arts or Fine Arts course (1 credit)**	**Robotic Design Essentials 9410120**	**Foreign Language for SUS admission or other elective appropriate for student's career and education plan.**
	11th	**English III**	**Liberal Arts Math or Math for College Readiness or Algebra II or Pre-Calculus**	**Marine Science or Earth Space Science or Chemistry**	**US History**	**Personal Finance (Online Course)**	**Robotic Systems 9410130**	**Foreign Language for SUS admission or other elective appropriate for student's career and education plan.**
	12th	**English IV**	**Liberal Arts Math or Math for College Readiness or AP Statistics / AP Calculus**	**Marine Science or Earth Space Science or Physics or AP Science Principles**	**American Government /Economics**	**Psychology or AP Psychology or Student Choice Elective**	**Robotic Applications Capstone 9410140**	**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 Engineering Technology – Electronics Option, AS **Pensacola State College** Electronics Engineering Technology, AS	**UWF** Electrical Engineering, B.S. Computer Engineering, B.S. **FSU** Electrical Engineering, B.S. Computer Engineering, B.S.
CAREER	**Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)**		
	Aeronautical Engineer Aerospace Engineer Agricultural Engineer Agricultural Technician Application Engineer Architectural Engineer Automotive Engineer Biomedical Engineer Biotechnology Engineer	CAD Technician Chemical Engineer Civil Engineer Communications Engineer Computer Engineer Computer Programmer Construction Engineer Electrical Engineer Electronics Technician Geothermal Engineer Industrial Engineer	Manufacturing Engineer Manufacturing Technician Marine Engineer Mechanical Engineer Metallurgist Mining Engineer Nuclear Engineer Petroleum Engineer Product/Process Engineer Survey Technician Systems Engineer Transportation Engineer
CREDIT			
	Certified Electronic Technician shall articulate **six (6)** college credit hours to the AAS/AS Degree in **Electronics Engineering Technology.**	**Technical College to State College Degree** (Minimum # of clock or credit hours awarded)	**PSAV/PSV to AAS or AS/BS/BAS** (Statewide and other local agreements may be included here) 68 hours in Electronics Engineering Technology, AS to Electronics Engineering Technology, BA 68 hours in Computer Engineering Technology, AS to Information Systems Technology, BA

Career and Technical Student Association
FL-TSA, SkillsUSA

Non-traditional Program Status: Females are considered to be non-traditional in the Applied Robotics program.	**Salary Range: (entry and exit salaries)** Electrical Engineers: $59,720 - $149,040 Engineers, All Other: $52,570 - $152, 970 Computer Hardware Engineers: $66,870 - $172,010

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**