


Career Cluster: Manufacturing		Secondary CTE Program: Advanced Manufacturing Technology (9200200) Post-Secondary Program: Advanced Manufacturing & Production Technology (J100200) or Engineering Technology, AS						
Career Cluster Pathway: Production		Secondary Industry Certification: MSSCN001 – MSSC Certified Production Technician (.5) SOLID003 – Certified Solidworks Associate-Academic (CSWA-Academic) (.2) Post-Secondary Industry Certification: MSSCN001 – MSSC Certified Production Technician SOLID003 – Certified Solidworks Associate-Academic (CSWA-Academic)						
 Walton COUNTY SCHOOL DISTRICT Freeport 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 1 Honors	Algebra 1 Or Algebra I Honors	Physical Science or Biology Honors	Online Required Course or AP Human Geography	Physical Education (1 credit) / HOPE (PE Variation)	Advanced Manufacturing Technology 1 9200210 (OCP A)	Elective Practical/Fine Arts
	10th	English II or English II Honors	Algebra 2 or Algebra 2 Honors	Biology or Anat & Phys Honors or Chemistry Honors	World History or DE World History	Practical Arts or Fine Arts course (1 credit)	Advanced Manufacturing Technology 2 9200220 (OCP B)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11th	English III or AP English Language Composition	Geometry or DE College Alg & PreCal	Marine Science or Chemistry or Chemistry Honors	United States History or DE American History I & II	Personal Finance (Online Course) or Other Student Choice Elective	Advanced Manufacturing Technology 3 9200230 (OCP C)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	12th	English IV: FL College Prep or AP English Literature & Composition	Math for College Readiness/ or DE College Alg & PreCal or Trig	Limnology or Physics or Physics Honors or DE Enviro Science	American Gov /Economics or DE American Gov/Economics or Honors	Psychology or Student Choice Elective	Advanced Manufacturing Technology 4 9200240 (OCP D)	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)
	Emerald Coast Technical College Applied Welding Technologies Florida Panhandle Technical College Welding Technology	Gulf Coast State College 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	UWF Electrical Engineering Computer Engineering FSU Electrical Engineering Industrial Engineering
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)		
	Assembler Automated Manufacturing Technician Calibration Technician Electrical Installer and Repairer Electromechanical Equipment Assembler	Hoist and Winch Operator Machine Operator Medical Appliance Maker Micro and Nano Fabrication Technicians Millwright	Pattern and Model Maker Precision Layout Worker Sheet Metal Worker Solderer and Brazier Welder
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)
	SOLID003 - Certified Solidworks Associate-Academic = 3 hours of credit in Engineering Technology OR Manufacturing Technology, AAS/AS Degrees. MSSCN001 – MSSC Certified Production Technician = 6 hours of credit in Electronics Engineering Technology, AAS/AS Degree OR 15 hours of credit in Engineering Technology, AAS/AS Degree OR 9 hours of credit in Manufacturing Technology, AAS/AS Degree.	1400 clock hour program in <u>Electronic Technology</u> OR the 650 clock hour program in <u>Electronic Technology 1</u> AND the 750 clock hour program in <u>Electronic Technology 2</u> shall articulate fifteen (15) college credit hours to the AAS/AS Degree in <u>Electronics Engineering Technology</u> .	68 credit hour Electronics Engineering Technology AS program and a 66 credit hour Electronics Engineering Technology university program leading to a 134 credit hour AS/BS in Electronics Engineering Technology.
Career and Technical Student Association			
SkillsUSA or FL-Technology Student Association (TSA)			
Non-Traditional Program Status: Automation and Production Technology is considered gender neutral.	Salary Range: (entry and exit salaries) Assemblers and Fabricators: \$18,740 - \$45,250 Welders, Cutters, Solderers and Brazers: \$25,940 - \$60,000 Millwrights: \$32,210 - \$76,350 Electrical and Electronics Installers & Repairers, Transportation Equip: \$36,860 - \$80,950		
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			