


Career Cluster: STEM		CTE Program: Engineering Technology						
Career Cluster: Engineering		Eligible Recipient: Pinellas County Schools						
		16 CORE CURRICLUM CREDITS				8 ADDITIONAL CREDITS		
 PINELLAS COUNTY SCHOOLS Career Technical & Adult Education	ENGLISH 4 credits H – Honors AP – Advanced Placement	MATH 4 credits H – Honors AP – Advanced Placement	SCIENCE 3 credits, 2 with lab H – Honors AP – Advanced Placement	SOCIAL STUDIES 3 credits H – Honors AP – Advanced Placement	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
					FINE ARTS (1 cdt)			
					PHYSICAL EDUCATION (1 cdt)			
Career Cluster of interest indentified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
HIGH SCHOOL	9	English 1 or H	Algebra 1 or H, Geometry or H	Earth/Space Science or Biology 1 or H	American Government or H	Fine Arts Elective	Engineering Technology I	Foreign Language
	10	English 2 or H	Geometry or H, Algebra 2 or H	Biology 1 or H; or Chemistry, H or AP	World History, H or AP	H.O.P.E	Engineering Technology II	Foreign Language
	11	English 3 or H	3 rd Math Credit	3 rd Science Credit	American History, H or AP	Elective	Engineering Technology III	Elective
	12	English 4, H, or AP	4 th Math Credit	4 th Science Credit	Economics or H	Elective	Advanced Technology Applications	Elective
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
POSTSECONDARY	Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)			COMMUNITY COLLEGE PROGRAM(S)		UNIVERSITY PROGRAM(S)		
Machining			Engineering		Engineering			
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	Machinist CNC Operator			Computer Engineer Industrial Engineer		Mechanical Engineer Computer Engineer Industrial Engineer		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) Engineering		PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements may be included here)		
*Possible Industry Certifications (Students):								
Secondary:	SolidWorks							
Postsecondary:								