


CTE Program: Applied Robotics				
Career Cluster: Engineering & Technology Education				
**This document is intended for course planning. Course offerings may vary by school. Please contact your school's guidance department, program director, or assistant principal for site specific information.				
	Standard Diploma Requirements 14 Core Curriculum Credits			
	Grade 9	Grade 10	Grade 11	Grade 12
Pathways in HS English	4 Credits in English	AP - Advanced Placement, DE - Dual Enrollment, EGP - English General Paper		
Advanced Scholar (accelerating through MS & HS)	English 2H	AP LANG	AP LIT	AP ELECTIVE or DE
Scholar (accelerating in GR 8/9, FAST PM3 Level 1 or 2 in GR 9)	English 2H	ENG 3H*	AICE EGP, or DE, or AP LANG	AICE EGP, or DE, or AP Lit
Merit (on-grade level grades 8-10)	English 1 (R/H)	ENG 2 (R/H)	AICE EGP, or ENG 3 (R/H)*	DE ENG
Pathways in HS Mathematics	4 Credits in Mathematics	MCL - Math for College Liberal Arts, MDFL - Math for Data & Fin Lit		
Advanced Scholar/Scholar	ALG 2H	AP Math Courses, DE (College Algebra) or Math for College Algebra		
Scholar	GEO H	ALG 2H	AP Math Courses, MCL, MDFL, Math for College Algebra, Prob/Stats H, AP PreCalc	
Merit	ALG 1/ALG 1A (Refer to Placement and Support Recommendations)	ALG 1 or GEO	MCL, MDFL, Math for College Algebra, Prob/Stats H, AP PreCalc	
Pathways in HS Science	3 Credits in Science	AP - Advanced Placement, DE - Dual Enrollment, EQ - Equally Rigorous Science		
Advanced Scholar/Scholar	BIO 1H	Chemistry 1H	AP, DE, or AICE Science Courses	
Scholar	BIO 1H	Chemistry 1 (R/H)	AP, DE, AICE Science Courses, or other EQ Science Courses	
Merit	Environmental Science	BIO 1H	Other EQ HS Science Courses or CTE Courses that Substitute for EQ Science Courses	
Pathways in HS Social Studies	3 Credits in Social Studies	2023 Freshmen must complete a Personal Finance* course for graduation		
Advanced Scholar/Scholar	AP Human Geo, AP World History, AP European History, AP US Gov't., or Personal Finance & Money Management	AP World History or AP European History, or Personal Finance and Money Management H	AP US History, and/or Personal Finance & Money Management H	AP Gov't. & AP Econ. (Macro or Micro), or Personal Finance and Money Management H
Scholar/Merit	AP Human Geo, World History (AP/H), US Gov't. (AP or H), or Personal Finance & Money Management H	World History (AP/H), or Personal Finance & Money Management H	US History (AP/H), or Personal Finance & Money Management H	US Gov't H & Econ. H (or AP versions), or Personal Finance & Money Management H
Required Courses: Algebra 1 or Geometry, Biology, World History, US History, Personal Finance, US Gov't, & Economics				
7.5 Elective Credits				
Career & Technical Education Course:	Foundations of Robotics	Robotic Design Essentials	Robotic Systems	Robotic Application Capstone
Recommended:	Foreign Language	Foreign Language		
2.5 Other Required Courses				
1 Credit: Physical Education (H.O.P.E.)				
1 Credit: Fine & Performing Arts, Speech & Debate, any CTE course, or Practical Arts				
.5 Credit: Personal Finance Requirement - *CTE offers Personal Financial Literacy				
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational and CAPE Scholars Award requirements.				
Related Post-Secondary Opportunities				
Post-Secondary Opportunities	Career Certificate Programs		College Credit Certificate	
	Pinellas Technical College - Clock Hour		<60 College Credits	
			Degree Programs	
			Associate of Science (AS)	
