



Career Cluster: Architecture and Construction					CTE Program: Architectural and Building Sciences Academy			
Career Cluster Pathway: Building Construction Technologies		Secondary: Pedro Menendez High School, St. Johns County School District: Building Construction (8720300)						
		Industry Certification: Secondary: NCCER Level 1: core, carpentry, plumbing and electrical, OSHA-10						
	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 (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"> Students are encouraged to use xello.world to explore careers and postsecondary options. Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program 							
	9th	English 1 (H)	Algebra 1 or Geometry (H)	Environmental Science	World History (H)	HOPE – Health Opportunities through Physical Education	Building Construction 1-8720310	Elective or Foreign Language
	10th	English 2 (H)	Geometry (H) or Algebra 2 (H)	Biology (H)	Government (H)	Fine or Practical Arts (optional)	Building Construction 2-8720320	Elective or Foreign Language
	11th	English 3 (H, DE)	Math for College Liberal Arts	Marine Science (H)	US History (H)	Elective	Building Construction 3-8720330	Elective
	12th	English 4 (H, DE)	Math for Data and Financial Literacy	Earth Space (H)	Economics (H/DE)/Financial Literacy	Elective	Building Construction 4-8720340 and Coop	Elective
POSTSECONDARY	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.							
	TECHNICAL CENTER PROGRAM(S)		UNIVERSITY PROGRAM(S)			FL COLLEGE SYSTEM(S)		
	First Coast Technical College: HVAC, Welding, Diesel Technician Northeast FL Buildings Association: apprenticeship training in carpentry, electrical, plumbing, HVAC and sheet metal		University of North FL, Jacksonville: Building Construction B.S., Construction Management M.S University of FL, Gainesville: Construction Management B.S University of Central FL, Orlando: Construction Engineering B.S.			FL State College, Jacksonville: Architectural Design and Construction Technology A. S., Building Construction Technology A.S. Santa Fe State College, Gainesville: Building Construction Management Technology A.S.		
CAREER	Sample Career Specialties							
	Carpenter, Electrician, Plumber, General Contractor, Building Contractor, Framer, Roofer, HVAC-R Parts Distribution, Construction Management, Equipment Operator, Inspector							
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)					
Students earning an A. S. Degree in Building Construction Technology or Architectural Design and Construction Technology can receive credit for BCN 1210 (3cr) if they have passed the NCCER Construction Technology (NCCER008) industry certification.								
Career and Technical Student Association								
Skills USA								
Internship/Work Experience Recommendations								
Career Academy students may apply for summer internships after their junior year. Sample internships: Carpenter Assistant, Electrical, Plumbing, General Construction, Masonry Assistant								