


Career Cluster: Architecture and Construction	CTE Program: Secondary: Academy of Architecture and Building Sciences - Building Construction (8720300) Pedro Menendez High School, St. Johns County School District Postsecondary: First Coast Technical College: Air-Conditioning, Refrigeration and Heating Technology (I470203) Florida State College at Jacksonville: Building Construction Technologies (AS-I460401) Architectural Design and Construction Technology (AS-1604090100), Air-Conditioning, Refrigeration and Heating Technology (C400100)
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Career Cluster Pathway: Construction	Industry Certification: Secondary: Carpentry Level 1 (NCCER005), Carpentry Level 2 (NCCER032), Carpentry Level 3 (NCCER033), Masonry Level 1 (NCCER025) OSHA 10Hour Postsecondary: First Coast Technical College: _____ Florida State College at Jacksonville: _____
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	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"> Students are encouraged to use mycareershines.org 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. 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 							
	9th	English 1, English Honors 1	Algebra I	Physical Science	HOPE – Health Opportunities through Physical Education	Elective	Building Construction Technologies 1-8720310	Elective
	10th	English 2, English Honors 2	Geometry	Biology	World History/World History Honors	World Language 1	Building Construction Technologies 2-8720320	Elective
	11th	English 3, English Honors 3	Algebra 2	Earth Science	American History/ American History Honors	World Language 2	Building Construction Technologies 3-8720330	Elective
	12th	English 4, English Honors 4, AP or DE Freshman English 1 (ENC1101)	Math for College Readiness	Chemistry	American Government .5 + Economics .5 DE Macro/Micro Econ & DE US Fed Gov't	Elective	Building Construction Technologies 4-8720340	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)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	First Coast Technical College, St. Augustine Air-Conditioning Refrigeration and Heating Certificate FL State College at Jacksonville: Air-Conditioning Refrigeration and Heating Technical Certificate Santa Fe State College, Gainesville: Certificates in Air Conditioning, Refrigeration and Heating Technology, Carpentry Apprenticeship, Electrical Construction Apprenticeship, Plumbing Apprenticeship, Plumbing Technology	FL State College at Jacksonville: Architectural Design and Construction Technology A. S., Building Construction Technology A.S. Santa Fe State College, Gainesville: Building Construction Management Technology A. S.	University of North Florida, Jacksonville – Construction Management: College of Computing, Engineering & Construction University of Florida, Gainesville – Construction Management: Rinker School of Construction Management offers a Bachelor of Science in Construction Management

C A R E E R	Sample Career Specialties – Careers from the Targeted Occupations List are in bold.
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	Carpenter, Electrician , Plumber, Duct Installers, Repairs and service, HVAC-R parts distribution , Commercial & residential air conditioning, Brickmason/Blockmason	Construction Manager, Construction & Building Inspector , Building Construction Technician, Electrician, HVAC, Carpenter, Brickmasons	Construction Manager , Construction and Building Inspectors, Construction Equipment Operators
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)	PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements included here)
	No articulation agreement. No CTE Dual Enrollment.	Florida State College at Jacksonville: 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.	No articulation agreement. No CTE Dual Enrollment.
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, Masonry Assistant			
Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements			