



Building Trades & Construction Design Technology
 Career and Technical Education
Your Future Starts Here – Unlock Your Potential!
2023-24 SY



Career Cluster: Architecture & Construction		CTE Program: Secondary: Building Trades (8722000) Pre-Apprenticeships at FBHS & WNHS						
Career Cluster Pathway: Construction		Postsecondary: Florida State College Jacksonville, Apprenticeships						
Industry Certification: NCCER								
		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	
HIGH SCHOOL	<ul style="list-style-type: none"> 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. The Bright Futures Gold Seal CAPE Scholars award requires at least 5 postsecondary credit hours through CAPE industry certifications. For further details, refer to the Bright Futures Student Handbook. 							
	9th	English 1 or English 1 Honors	Algebra I (or Honors) or Geometry (or Honors)	Environmental Science or Biology (or Bio Honors)	AP Human Geography or Elective	HOPE – Health Opportunities through Physical Education	Building Trades and Construction Design Technology 1 8722010	Elective
	10th	English 2 or English 2 Honors	Geometry or Algebra II (or Honors)	Biology, Chemistry, Physics, Anatomy (or Honors Level)	World History (or Honors or AP)	Fine or Practical Arts	Building Trades and Construction Design Technology 2 8722020	Elective
	11th	English 3 or English 3 Honors	Algebra II, Math for College Liberal Arts, Math for College Algebra, Pre-Calculus	Chemistry, Physics, Anatomy (or Honors Level)	US History or US History Honors or APUSH	Elective or World Language	Building Trades and Construction Design Technology 3 8722030 (PA) (Honors Credit)	Elective
	12th	English 4 or English 4 Honors or AP Eng. Literature	Math for Data & Financial Literacy, Math for College Algebra, or AP Calculus	Marine Science, Earth/Space, Physics, AP Physics, AP Biology	American Government .5 + Economics .5 or AP Microeconomics and AP Government	Elective or World Language	Building Trades and Construction Design Technology 4 8722040	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)		
	Florida State College at Jacksonville: Electricity Career Certificate C.C.; HVAC Career Certificate Apprenticeship Training Programs, Electrical Training Alliance of Jacksonville		Florida State College at Jacksonville: Building Construction Technology A.S.			University of North Florida – College of Computing, Engineering, and Construction University of Florida – School of Construction		
CAREER	Sample Career Specialties – Careers from the Targeted Occupations List are in bold.							
	Skilled Trade Apprenticeships		Building and Construction Worker, Electrician Helper, Residential Electrician, Commercial Electrician, HVAC Mechanics and Installers					
Career and Technical Student Association								
Skills USA								