

Career Cluster: <b>Architecture and Construction</b>					<b>CTE Program:</b> 8720300 ~ Building Construction Technologies <b>Postsecondary Programs:</b> 1646041201 B.S. Construction Management Technology AS			
Career Cluster Pathway: <b>Construction</b>					<b>Secondary Industry Certification(s):</b> 1. Home Builders Institute (HBI) Industry Certification 2. OSHA Certification <b>Postsecondary Industry Certification:</b> 1. NCCER Carpentry Level 4			
	<b>16 REQUIRED CORE CREDITS</b>							
	<b>ENGLISH</b>	<b>MATH</b>	<b>SCIENCE</b>	<b>SOCIAL STUDIES</b>	8.5 Electives, Including CTE sequential Program of Study and recommended electives * Signifies CTE course meets Performing Arts graduation credit requirement  1 Performing Fine Arts (*Signifies CTE course meets graduation requirements) 7.5 Electives, Including CTE sequential Program of Study and recommended electives			
	4 credits	4 credits	3 or 4 credits, 2 w/ lab	3 or 4 credits				
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>• Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>• 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.</li> <li>• One course within the 26 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 26 credit program.</li> </ul>							
	<b>9</b>	English Honors 1	Geometry Honors	Biology 1 Honors or Integrated Science 1 Honors	AP World History or World History Honors	Career Research & Decision Making (.5cdt)/Elective Ethics (.5cdt)	Building Construction Technologies 1	Elective (Foreign Language)
	<b>10</b>	English Honors 2	Algebra 2 Honors	Chemistry 1 Honors or Integrated Science 2 Honors	American History Honors	HOPE	Building Construction Technologies 2	Elective (Foreign Language)
	<b>11</b>	AP English Language & Comp or English Honors 3	Advanced Math Topics or PreCalc	Physics 1 Honors or Integrated Science 3 Honors	American Government/ Economics Honors	Elective (Drafting 1)	Building Construction Technologies 3	Elective (Foreign Language)
	<b>12</b>	AP English Lit & Comp or DE English Comm 1 ENC1101/DE Technical Writing ENC 2210	AP Calculus, AP Statistics or DE College Algebra MAC 1105/ DE Statistics STA 2023	Science Research	AP Psychology or DE Sociology SYG 2000 / DE Psychology PSY 2012 or Sociology / Psychology 1	Elective (Drafting 2)	Building Construction Technologies 4	Elective (Foreign Language)
<b>POSTSECONDARY</b>	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 CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.							
	<a href="http://www.easternflorida.edu/academics/career-technical-programs/">http://www.easternflorida.edu/academics/career-technical-programs/</a>					<b>UNIVERSITY PROGRAM(S)</b>		
	Local State College: Eastern Florida State College					Bachelors Degree (four-year)		
	AutoCAD Foundations CCC			Drafting and Design Technology AS		University of Central Florida		
	Drafting CCC			Interior Design Technology AS		Mechanical Engineering BS		
				Architectural Design and Construction Technology		Landscape Architecture BS		
			Associate in Arts (AA) degrees are offered at all Florida Community Colleges and allow students to move on to complete a four-year degree.		Architecture BS			
					Building Construction (Management) BS			
<b>CAREER</b>	<b>Sample Career Specialties</b>							
	Building Construction Technician		Construction Foreman/Builder		Construction Manager (TOL)		General Contractor/Builder Construction & Building Inspector(TOL)	
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded per institution)			Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) Articulated credit to which courses and number of credits			PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements may be included here)	
							Articulation with University of Western Ohio	
<b>Career and Technical Student Association:</b>								
Skills USA								
<b>Internship/Work Experience Recommendations:</b>								
Architecture and Construction Cooperative Education-OJT (8700400) Internship								

**Student Progression Plan, on Brevard Public Schools web site, containing graduation requirements:**

<http://elementarypgms.sp.brevardschools.org/Home/Documents/Student%20Progression%20Plan.pdf>

Cell: C6

Comment: Four (4) credits in English, with a major concentration in composition, reading for information, and literature.

Cell: D6

Comment: Four (4) credits in mathematics, one of which must be Algebra 1, a series equivalent to Algebra 1, or a high-level mathematics course. School districts are encouraged to set specific goals to increase enrollments in, and successful completion of, geometry and Algebra 2.

Cell: E6

Comment: Four (4) credits in science to include 3 sequential courses in either Biology, Chemistry, and Physics or Integrated 1, 2 and 3 plus one (1) science additional credit.

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Comment: Four (4) credits in social studies as follows: one (1) credit in American history; one (1) credit in world history; one-half credit in economics; one-half credit in American Government; and one (1) social studies elective credit.

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Career Cluster Pathway: <b>Construction</b>					1. Home Builders Institute (HBI) Industry Certification 2. OSHA Certification			
	<b>16 REQUIRED CORE CREDITS</b>				<b>10 ADDITIONAL CREDITS</b>			
	<b>ENGLISH</b>	<b>MATH</b>	<b>SCIENCE</b>	<b>SOCIAL STUDIES</b>	8.5 Electives, Including CTE sequential Program of Study and recommended electives * Signifies CTE course meets Performing Arts graduation credit requirement			
	4 credits	4 credits	4 credits, 2 w/ lab	4 credits	1 Performing Fine Arts (*Signifies CTE course meets graduation requirements) 7.5 Electives, Including CTE sequential Program of Study and recommended electives			
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use fchoices.org to explore careers and postsecondary options.</li> <li>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.</li> <li>One course within the 26 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 26 credit program Students are encouraged to use fchoices.org to explore careers and postsecondary options.</li> </ul>							
	9	English 1 or English Honors 1	Algebra 1	Biology 1 Honors or Integrated Science 1 Honors	World History Honors	Career Research & Decision Making (.5cdt)/Ethics (.5cdt)	Building Construction Technologies 1	Elective (Foreign Language)
	10	English 2 or English Honors 2	Geometry	Chemistry 1 Honors or Integrated Science 2 Honors	American History Honors	HOPE	Building Construction Technologies 2	Elective (Foreign Language)
	11	English 3 or English Honors 3	Algebra 2	Physics 1 Honors or Integrated Science 3 Honors	American Government Honors/Economics Honors	Elective (Art 2D Comprehensive 1)	Building Construction Technologies 3	Elective (Foreign Language)
	12	English 4 or English Honors 4	Advanced Math Topics, PreCalc, or AP Statistics	Any Science Elective	AP Psychology or Sociology / Psychology 1	Elective (Art 3D Comprehensive 1)	Building Construction Technologies 4	Elective (Foreign Language)
<b>POSTSECONDARY</b>	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 CTE program, the following postsecondary options are available. The official college or university catalog must be used to determine course requirements in the major.							
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<b>CAREER</b>	<b>Sample Career Specialties</b>							
	Building Construction Technician		Construction Foreman/Builder		Construction Manager (TOL)		General Contractor/Builder Construction & Building Inspector(TOL)	
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
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	3 PSAV credits/96 Clock Hours							
<b>Career and Technical Student Association:</b>								
Skills USA								
<b>Internship/Work Experience Recommendations:</b>								
Architecture and Construction Cooperative Education-OJT (8700400) Internship								
<b>Student Progression Plan, on Brevard Public Schools web site, containing graduation requirements:</b>								



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<b>HIGH SCHOOL</b>	9	English 1	Algebra 1A	Biology 1 or Integrated Science 1	World History	Career Research & Decision Making (.5cdt)/Elective (Ethics .5cdt)	Building Construction Technologies 1	Elective (Intensive Reading)
	10	English 2	Geometry 1	Chemistry 1 or Integrated Science 2	American History	HOPE	Building Construction Technologies 2	Elective (Intensive Reading)
	11	English 3	Algebra 1B	Physics 1 or Integrated Science 3	American Government/ Economics	Elective (Drafting 1)	Building Construction Technologies 3	Elective (Intensive Reading)
	12	English 4	Geometry 2	Any Science Elective	Any Social Studies Elective	Elective (Drafting 2)	Building Construction Technologies 4	Elective (Intensive Reading)
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