

Career Cluster: Architecture & Construction					CTE Program: Academy of Architecture and Building Sciences, Drafting Strand-Pedro Menendez High School (Architectural Drafting-8101100)			
Career Cluster Pathway: Design/ Pre-Construction					Industry Certification: Autodesk Certified User – AutoCAD (ADESK002), Autodesk Cert. User – REVIT (ADESK008)			
	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 fchoices.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 (Honors)	Algebra I/Geometry	Physical Science/Biology Honors	World Geography or AP Human Geography	HOPE – Health Opportunities through Physical Education	Drafting 1-8725010	Elective
	10th	English 2 (Honors)	Geometry/Algebra 2	Biology/Chemistry (Honors)	World History (Honors, DE)	World Language 1	Drafting 2-8725020	Elective
	11th	English 3 (Honors, IB, DE)	Math	Science	American History (Honors, DE)	World Language 2	Drafting 3-8725030	Elective
	12th	English 4 (Honors, IB, DE)	Math	Science	American Government .5 + Economics .5 DE Macro/Micro Econ & DE US Fed Gov't	Elective	Drafting 4-8725030	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)		
	FL State College at Jacksonville: Drafting – 10 month certificate program Seminole State College, Sanford: Computer-Aided Design Technical Certificate – 10 month program		FL State College at Jacksonville: Building Construction Technology A.S., AutoCAD Foundations T.C., Drafting T.C. Valencia College, Orlando: Civil/Surveying Engineering Technology Associate A.S. Daytona State College, Daytona Beach: AutoCAD Foundations A.S.			University of North Florida, Jacksonville – Building Construction, Mechanical Engineering University of N. FL, Jacksonville: Engineering – Civil, Electrical, Mechanical University of FL, Gainesville: Engineering – Civil, Environmental, Mechanical, Architectural University of Central FL, Orlando: Engineering – Civil, Environmental, Electrical, Mechanical, Aerospace–		
CAREER	Sample Career Specialties – Careers from the Targeted Occupations List are in bold.							
	Junior Draftsman	Draftsman, Surveyor				Engineer -Architecture, Civil, Structural, Transportation, Water Resources, Construction, Mechanical, Environmental, Geological, Surveyor, Draftsman		
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 : Autodesk Certified User (ADESK002) – Architecture & Construction Technology, CGS 2470, 3 credits, \$343.56; Autodesk Certified Professional – REVIT (ADESK025), EDT 2395, 3 credits, \$343.56			No articulation agreement. No CTE Dual Enrollment.		
Career and Technical Student Association								
Skills USA								
Internship/Work Experience Recommendations								
Career Academy students may apply for internships at engineering firms after their junior year.								
Program of Study Graduation Requirements: http://www.fldoe.org/workforce/perkins/pdf/POS-GradChecklist.pdf								