



Career Cluster: Architecture and Construction		 ACADEMY OF ARCHITECTURE & BUILDING SCIENCES PEDRO MENENDEZ HIGH SCHOOL			CTE Program: Architectural and Building Sciences Academy			Secondary: Pedro Menendez High School, St. Johns County School District: Drafting 872500	
Career Cluster Pathway: Drafting				Industry Certification: Secondary: Autodesk AutoCAD (ADESK002), Revit (ADESK008), Inventor (ADESK011)					
		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	Drafting 1-8725010	Elective or Foreign Language	
	10th	English 2 (H)	Geometry (H) or Algebra 2 (H)	Biology (H)	Government (H)	Fine or Practical Arts (optional)	Drafting 2-8725020	Elective or Foreign Language	
	11th	English 3 (H, DE)	Math for College Liberal Arts	Marine Science (H)	US History (H)	Elective	Drafting 3-8725030	Elective	
	12th	English 4 (H, DE)	Math for Data and Financial Literacy	Earth Space (H)	Economics (H/DE)/Financial Literacy	Elective	Drafting 4-8725040 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)		
	FL State College at Jacksonville: Drafting 10 month certificate program in AutoCAD Foundations and Drafting Seminole State College, Sanford: Computer-Aided Design Technical Certificate – 10 month program			University of N FL, Jacksonville – Civil/Electrical/Mechanical Engineering B.S., Advanced Manufacturing Engineering B.S. University of FL, Gainesville: Engineering – Civil/Mechanical B.S., Architecture B.D., Electrical Engineering B.S., Materials Science and Engineering B.S., Mechanical Engineering B.S., University of Central FL, Orlando: Engineering -- Civil, Environmental, Electrical, Mechanical, Materials Science,			Daytona State College AutoCAD Foundations A.S. Tallahassee Community College Drafting and Design Technology A.S. Valenica College, Orlando: Civil/Surveying Engineering Technology Associate A.S.		
CAREER	Sample Career Specialties								
	Engineer of Architecture, or Civil, or Structural, Transportation, Water Resources, Construction, Mechanical, Environmental, Geological, Surveyor, Draftsman								
CREDIT	Articulation and CTE Dual Enrollment Opportunities								
	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)								
	Autodesk Certified User – AutoCAD (ADESK002) three (3) college credits to the AS degree in Architectural Design & Construction Technology (1604090100) OR Computer-Aided Drafting and Design (1615130202) Autodesk Certified User – Revit Architecture (ADESK008) three (3) college credits to the AS degree in Architectural Design & Construction Technology (1604090100) OR Computer-Aided Drafting and Design (1615130202) OR Building Construction Technology (1615100102) Autodesk Certified User – Inventor (ADESK011) three (3) college credits to the AS degree in Engineering Technology (1615000001)								
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: Engineering Firms-Russel Rowland and Matthews Group, Northrop Grumman and more.									