


Career Cluster: Architecture & Construction		CTE Program: Secondary: Academy of Architecture and Building Sciences - Drafting (8725000) Pedro Menendez High School, St. Johns County School District Postsecondary: Florida State College of Jacksonville: Drafting (C100200), Architectural Design & Construction Technology (AS - 1604090100) AutoCAD Foundations (A.S. 0615130204)						
Career Cluster Pathway: Design/ Pre-Construction		Industry Certification: Secondary: Autodesk Certified User – AutoCAD (ADESK002), Autodesk Cert. User – REVIT (ADESK008) Postsecondary: Florida State College of Jacksonville: Autodesk Cert. Professional – REVIT (ADESK025), Autodesk Cert. Professional – Inventor (ADESK024)						
		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 flchoices.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	Drafting 1-8725010	Elective
	10th	English 2, English Honors 2	Geometry	Biology	World History/World History Honors	World Language 1	Drafting 2-8725020	Elective
	11th	English 3, English Honors 3	Algebra 2	Earth Science	American History/ American History Honors	World Language 2	Drafting 3-8725030	Elective or Dual Enrollment
	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	Drafting 4-8725030	Elective or Dual Enrollment
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 in AutoCAD Foundations and Drafting Seminole State College, Sanford: Computer-Aided Design Technical Certificate – 10 month program		FL State College at Jacksonville: AS - Architectural Design & Construction Technology, AS AutoCAD Foundations 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			

Articulation and CTE Dual Enrollment Opportunities

CREDIT	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)
	Florida State College at Jacksonville Students completing the AutoCAD Foundations Certificate can receive credit for CGS2470 (3cr) if they have passed the Autodesk Certified User – AutoCAD (ADESK002), If they have passed Autodesk Certified User – REVIT (ADESK008) they can earn credit for ETD2395 (3cr)	Florida State College at Jacksonville : Autodesk Certified User (ADESK002) – Architecture & Construction Technology, CGS 2470, 3 credits, Autodesk Certified User – REVIT (ADESK025), EDT 2395, 3 credits, No CTE Dual Enrollment	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>