


Career Cluster: Architecture & Construction		CTE Program: Secondary: Design Academy – Drafting strand (8725000) Bartram Trail High School, St. Johns County School District Postsecondary: Florida State College at Jacksonville: Drafting (PSAV-C100200), Architectural Design & Construction Technology (AS - 1604090100) AutoCAD Foundations (A.S. 0615130204), Geospacial Information Systems Technology (PSAV-T860020), Building Construction Technology (A.S. 1615100102)						
Career Cluster Pathway: Design Pre/Construction		Industry Certification, Secondary: Autodesk Certified User-AutoCad (ADESK002) and Autodesk Certified Professional-Revit (ADESK008) Postsecondary: Florida State College at Jacksonville: Autodesk Cert. Professional – REVIT (ADESK025), Autodesk Certified Professional – AutoCAD (ADESK021)						
		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 mycareershines.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 * - Honors weighting in CTE classes 							
	9th	English 1 or English 1 Honors	Algebra I or Algebra 1 Honors	Environmental Science, Physical Science Honors or Biology Honors	AP Human Geography or World Cultural Geography	HOPE – Health Opportunities through Physical Education	Drafting 1 Honors-8725010	Elective
	10th	English 2 or English 2 Honors	Geometry or Geometry Honors	Biology or Chemistry or Chemistry Honors	World History or AP World History	World Language	Drafting 2 Honors-8725020	Elective
	11th	English 3 or English 3 Honors or AP English Language	Algebra 2 or Algebra 2 Honors	Chemistry, Chemistry Honors, or Physics Honors	US History or AP US History	World Language	Drafting 3 Honors-8725030	Elective
	12th	English 4 or English 4 Honors or AP English Literature	Pre Calc Honors, Math for College Readiness, Adv Topics in Math, AP Stats, AP Calculus	AP Chem, AP Bio, AP Physics, AP Environmental, Marine Science Honors or Anatomy Honors	US Gov & Econ or AP US Gov/US Gov Honors & AP Micro/Macro Econ	Elective or World Language	Drafting 4 Honors-8725040	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.							
	Drafting Assistant, Drafting Detailer, Mechanical Drafter, Electronics Drafter		Architectural Engineering Assistant, Draftsman, Chief Design Draftsman, Project Manager			Architect, Engineer, Construction Manager, Cost Estimator		
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.		FSCJ: 3 credits immediately awarded upon enrollment for AutoCAD certification – Architectural Design & Construction Tech major, Course CGS2470, ETD 2395			No articulation agreement. No CTE Dual Enrollment.		
Career and Technical Student Association								
SkillsUSA								

Internship/Work Experience Recommendations

Career Academy students may apply for summer internships after their junior year. Sample internship is drafting assistant.

Program of Study Graduation Requirements: <http://www.fldoe.org/academics/graduation-requirements>