


<b>Career Cluster:</b> Architecture & Construction		<b>CTE Program: Design Academy</b> <b>Secondary:</b> Bartram Trail High School, St. Johns County School District (Drafting 8725000) <b>Postsecondary: Florida State College of Jacksonville:</b> 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)						
<b>Career Cluster Pathway:</b> Design Pre/Construction		<b>Industry Certification: Secondary:</b> Autodesk Certified User-AutoCad (ADESK002) and Autodesk Certified Professional-Revit (ADESK008) <b>Postsecondary: Florida State College of Jacksonville:</b> Autodesk Cert. Professional – REVIT (ADESK025), Autodesk Certified Professional – AutoCAD (ADESK021)						
		<b>16 CORE CURRICULUM CREDITS</b>				<b>8 ADDITIONAL CREDITS</b>		
		<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> <b>FINE ARTS</b> (1 credit) <b>PHYSICAL EDUCATION</b> (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://mycareershines.org">mycareershines.org</a> 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 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	<b>9<sup>th</sup></b>	English 1 or English 1 Honors	Algebra 1 or Algebra 1 Honors	Environmental Science, Physical Science Honors or Biology Honors	AP Human Geography	HOPE – Health Opportunities through Physical Education	Drafting 1 Honors-8725010	Elective
	<b>10<sup>th</sup></b>	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
	<b>11<sup>th</sup></b>	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
	<b>12<sup>th</sup></b>	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
<b>POSTSECONDARY</b>	<b>Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	FL State College at Jacksonville: Certificate Programs: Drafting, GIS Technology		FL State College at Jacksonville: Architectural Design and Construction Technology- A.S., Building Construction Technology A.S.			<b>University of North Florida</b> , Jacksonville – Building Construction, Mechanical Engineering <b>University of N. FL</b> , Jacksonville: Engineering – Civil, Electrical, Mechanical  <b>University of FL</b> , Gainesville: Engineering – Civil, Environmental, Mechanical, Architectural  <b>University of Central FL</b> , Orlando: Engineering -- Civil, Environmental, Electrical, Mechanical, Aerospace		
<b>CAREER</b>	<b>Sample Career Specialties – Careers from the Targeted Occupations List are in bold.</b>							
	Architectural and Civil Drafters, Surveyor	Architectural and Civil Drafters, Mechanical Drafters, Drafters, Construction – all areas				<b>Architectural Engineer</b> , Engineer - Civil, Structural, Transportation, Water Resources, Construction, Mechanical, Environmental, Geological Surveyor, Draftsman, Construction – all areas		

**Articulation and CTE Dual Enrollment Opportunities**

<b>CREDIT</b>	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements included here)
	<b>Florida State College at Jacksonville</b> 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)	<b>Florida State College at Jacksonville</b> : 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.
<b>Career and Technical Student Association</b>			
SkillsUSA			
<b>Internship/Work Experience Recommendations</b>			
Career Academy students may apply for summer internships after their junior year. Sample internship is drafting assistant.			
Program of Study Graduation Requirements: <a href="http://www.fldoe.org/academics/graduation-requirements">http://www.fldoe.org/academics/graduation-requirements</a>			