


<b>Career Cluster:</b> Architecture & Construction	<b>CTE Program: Academy of Architecture and Building Sciences</b> <b>Secondary: Pedro Menendez High School, St. Johns County School District:</b> Drafting (8725000) <b>Postsecondary: Florida State College of Jacksonville:</b> Drafting (PSAV-C100200), Architectural Design & Construction Technology (AS - 1604090100) AutoCAD Foundations (A.S. 0615130204), Geospatial Information Systems Technology (PSAV T860020), Building Construction Technology (A.S. 1615100102)
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<b>Career Cluster Pathway:</b> Design/Pre-Construction Career Path (ACPA)	<b>Industry Certification: Secondary:</b> Autodesk Certified User – AutoCAD (ADESK002), Autodesk Cert. User – REVIT (ADESK008) <b>Postsecondary: Florida State College of Jacksonville:</b> Autodesk Cert. Professional – REVIT (ADESK025), Autodesk Cert. Professional – Inventor (ADESK024)
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	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	<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, English 1 Honors, English 1 PreIB	Algebra I/Geometry	Physical Science/Biology Honors	AP Human Geography	HOPE – Health Opportunities through Physical Education	Drafting 1-8725010	Elective
	<b>10<sup>th</sup></b>	English 2, English 2 Honors, English 2 PreIB	Geometry/Algebra 2	Biology/Chemistry (Honors)	World History, World History Honors, DE World Civics 1 & 2 (WOH 1012 & WHO 1022)	World Language 1	Drafting 2-8725020	Elective
	<b>11<sup>th</sup></b>	English 3, English 3 Honors, English 3 IB	Math	Science	American History, American History Honors, DE US History 1 & 2 (AMH 2010 & AMH 2020)	World Language 2	Drafting 3-8725030	Elective
	<b>12<sup>th</sup></b>	English 4, English 4 Honors, English 4 IB, DE Freshman English 1 (ENC 1101 & ENC 1102)	Math	Science	American Government .5 + Economics .5 DE Macro/Micro Econ (ECO 2013 or ECO 2023) & DE US Fed Gov't (POS1041)	Elective	Drafting 4-8725030	Elective

<b>POSTSECONDARY</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.		
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>STATE COLLEGE PROGRAM(S)</b>	<b>UNIVERSITY PROGRAM(S)</b>
	FL State College at Jacksonville: Drafting – 10 month certificate program	FL State College at Jacksonville: Architectural Design and Construction Technology A. S., Building Construction Technology A.S.	<b>University of North Florida, Jacksonville</b> – Building Construction, Mechanical Engineering University of N. FL, Jacksonville: Engineering – Civil, Electrical, Mechanical  <b>University of FL, Gainesville:</b> Engineering – Civil, Environmental, Mechanical, Architectural  <b>University of Central FL, Orlando:</b> 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	<b>Architectural and Engineering Managers</b> , Engineer - Civil, Structural, Transportation, Water Resources, Construction, Mechanical, Environmental, Geological Surveyor, Draftsman Architectural and Civil Drafters, Mechanical Drafters, Drafters, All Other

**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.

**Career and Technical Student Association**

Skills USA

**Internship/Work Experience Recommendations**

Career Academy students may apply for internships as draftsman at engineering firms after their junior year.

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