



Career Cluster: Architectural Drafting	 <p>ACADEMY OF ARCHITECTURAL DESIGN & TECHNOLOGY PEDRO MENENDEZ HIGH SCHOOL</p>	CTE Program: The Academy of Architectural Design and Technology Secondary: Pedro Menendez High School, St. Johns County School District: Drafting 872500
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Career Cluster Pathway: Architectural and Engineering Design/Drafting	Industry Certification: Secondary: Autodesk AutoCAD (ADESK002), Revit (ADESK008), Inventor (ADESK011)
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	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	Architectural 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)	Architectural Drafting 2-8725020	Elective or Foreign Language
	11th	English 3 (H, DE)	Math for College Liberal Arts	Marine Science (H)	US History (H)	Elective	Architectural Drafting 3-8725030	Additional Architectural Drafting or Elective
	12th	English 4 (H, DE)	Math for Data and Financial Literacy	Earth Space (H)	Economics (H/DE)/Financial Literacy	Elective	Architectural Drafting 4-8725040 and Coop	Additional Architectural Drafting or 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	Other Student Organization
Skills USA	ACE mentor program of Northeast Florida-Architecture-Construction-Engineering

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.