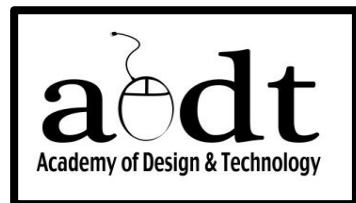


Professional Academies Magnet at Loften High School, Academy of Design and Technology

Career Cluster: Information Technology Career Cluster Pathway: Interactive Media	CTE Program: Game/Simulation/Animation Programming Industry Certificate: Microsoft Technology Associate (MTA) - HTML5 Application Development Fundamentals, Microsoft Technology Associate (MTA) - Gaming Development Fundamentals
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Postsecondary Program: Computer Programming and Analysis



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	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES	
				FINE ARTS (1 cdt)			
				PHYSICAL EDUCATION (1 cdt)			

- Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org.
- 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

HIGH SCHOOL	9	1st Semester	English	Math	Two-Dimensional Studio Art 1	Game and Simulation Foundations	2nd Semester	Science	Physical Education (1 credit) (Not required for ACCEL Program)	Game and Simulation Design	Two-Dimensional Studio Art 2
	10		English	Math	Foreign Language	Digital Arts Imaging 1 (Photoshop Certification)		Science	World History	Game and Simulation Programming	Digital Art Imaging 2 (Illustrator Certification)
	11		English	Math	Foreign Language	Multi-User Game and Simulation Programming		Science	American History	Elective	Digital Art Imaging 3 (InDesign Certification)
	12		English	Math	American Govt/ Economics	Game/Simulation /Animation Advanced Applications		Four Options: 1. Executive Internship 2. Dual Enrollment 3. Additional Coursework at PAM 4. Art Electives			

Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

POST SECONDARY	TECHNICAL CENTER PROGRAM(S)	COLLEGE PROGRAM(S) Santa Fe College Computer Programming and Analysis AS	UNIVERSITY PROGRAM(S) University of Florida Digital Arts and Sciences Computer Science, Computer Information Science, Computer Engineering
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CAREER	SAMPLE CAREER SPECIALTIES		
	Information Technology Assistant, Computer Programmer Aide, Multimedia Animator.	Computer Programmer, Programmer Analyst, Information Systems Programmer, Internet Programmer, Web Developer, Application Developer, Software Quality Assurance Tester, Database Architect	Systems Administrator, Database Administrator, Software Engineer, Web Server Administrator, College or University Instructor; Production Manager; Business Owner

*Florida Department of Education Graduation Requirements: <http://www.fldoe.org/academics/graduation-requirements/index.stml>

Career and Technical Student Association	Internship/Work Experience Recommendations
SkillsUSA	Local information technology companies and departments.

ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
High School to College Credit or Degree		
Industry Certificate	Santa Fe College Course	Credits
Microsoft Technology Associate (MTA) – HTML5 Application Development Fundamentals (MICRO080)	CGS 1820 Web Authoring 1	3
<p align="center">PSAV/PSV to AAS or AS to BS or BAS</p> <p align="center">Statewide articulations: Regionally-accredited AS to BAS</p> <p align="center">SF articulations: St. Petersburg College – BAS in Technology Management</p>		

To receive articulated credit for the **SF** courses listed above, high school students must:

- Pass the Microsoft Technology Associate (MTA) – HTML5 Application Development Fundamentals industry certificate
- Have their certification verified by the Santa Fe Consortium Career Pathways Coordinator and SF Business Programs representative.

More information is available at: <http://www.sfcollege.edu/careerpathways/>