

**Professional Academies Magnet at Loften High School, Academy of Gaming and Mobile Apps– 2017-2018**

**Career Cluster:** Information Technology  
**Career Cluster Pathway:** Interactive Media

**CTE Program:** Game/Simulation/Animation Programming  
**Industry Certificate:** Animate CC



**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 cdt)

PHYSICAL EDUCATION (1 cdt)

**CAREER AND TECHNICAL EDUCATION COURSES**

**RECOMMENDED ELECTIVES**

- Students are encouraged to use [fchoices.org](http://fchoices.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.

**HIGH SCHOOL**

**1<sup>st</sup> Semester**

**2<sup>nd</sup> Semester**

**9**

English I

Algebra 1

**Two-Dimensional Studio Art 1**

**Game and Simulation Foundations 8208110**

Physical Science

Physical Education (1 credit)  
(Not required for ACCEL Program)

**Game and Simulation Design 8208120 (Animate CC Certification)**

**Two-Dimensional Studio Art 2**

**10**

English II

Geometry

Foreign Language

**Game and Simulation Programming 8208330**

Biology

World History

**AP Computer Science Principles AP Exam**

**Digital Art Imaging 1 (Photoshop Certification)**

**11**

English III

Algebra II

Foreign Language

**Multi-User Game and Simulation Programming 8208340 (Javascript Specialist Certification)**

Physics or Anatomy/ Physiology

American History

Elective

**Digital Art Imaging 2 (Illustrator Certification)**

**12**

English IV

Pre-Calc

American Govt/ Economics

**Game/Simulation /Animation Advanced Applications**

**Four Options:**

1. Executive Internship
2. Dual Enrollment
3. Additional Coursework at PAM Including AP Computer Science
4. Additional Art Electives

**Career and Technical Student Association**

**Internship/Work Experience Recommendations**

SkillsUSA

Local information technology companies and departments.

**POSTSECONDARY OPTIONS, CAREERS, AND ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES**

<b>POST SECONDARY</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>First Coast Technical College</b> Digital Design 1 and 2 PSAV	<b>COLLEGE PROGRAM(S)</b>  <b>Santa Fe College</b> Computer Programming and Analysis AS Digital Media Technology AS Graphic Design Technology AS	<b>UNIVERSITY PROGRAM(S)</b>  <b>University of Florida</b> Digital Arts and Sciences Computer Science, Computer Information Science, Computer Engineering
<b>CAREER</b>	<b>Sample Career Specialties</b>		
	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
<b>Articulation and CTE Dual Enrollment Opportunities</b>			
<b>Secondary to Technical Center (PSAV)</b>			
Digital Design PSAV and Digital Design 1 PSAV: Intro to Information Technology - 150 hours for OCP A OTA0040 Information Technology Assistant; Digital Design 2 - 150 hours for OCP B GRA0024 Production Assistant; Digital Design 3 and 4 - 300 hours for OCP C GRA0025 Digital Assistant Designer			
<b>Secondary to College Credit Certificate or Degree</b>			
1. <b>CTE Dual Enrollment</b> - SF College: Computer Programming and Analysis, Digital Media Technology.			
<b>PSAV/PSV to AAS or AS/BS/BAS</b>			
<p><b>Statewide articulations:</b> Regionally-accredited AS to BAS</p> <p><b>SF articulations:</b> BAS in Information Systems Technology at SF College may be taken after completion of Computer Programming and Analysis AS or Networking Systems Technology AS at SF;</p> <p>BAS in Multimedia and Video Production Technology at SF College may be taken after completion of AS in Digital Media Technology at SF or AS in a similar program at a regionally accredited college or university.</p>			

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