

# Academy of Information Technology

## Career Cluster: Information Technology

### Program Strand: Digital Design Technology

Students who choose a career in Digital Design Technology use computers and mathematics to create realistic images and learn how to develop graphics software.

#### Secondary Career Academy Development Timetable Academy classes are listed in bold type.

Pre-Academy Grades 6 – 8	Grade 9	Grade 10	Grade 11	Grade 12	
6 <sup>th</sup> grade—Middle Moves 7 <sup>th</sup> grade—Career Preparation Requirement 8 <sup>th</sup> grade—Transition Tools  M/J Vocational Wheel 1 BU 800020012 Semester Courses: Business Keyboarding 820011011 <sup>1</sup> Comp App in Bus 1 820022011 <sup>1</sup> Comp App in Bus 2 820021011 <sup>1</sup> Comp App in Bus 3 820021111 <sup>2</sup> Comp App in Bus 4 820021211 <sup>2</sup> Bus Lead Skills 820012001 <sup>2</sup> <sup>1</sup> Recommended for 7 <sup>th</sup> grade <sup>2</sup> Recommended for 8 <sup>th</sup> grade	English I	English II	English III	English IV	
	Algebra or higher	Geometry or higher	Algebra II or higher	Pre-calculus or Other Mathematics Course	
	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science Elective or Other Elective	
	World History	Elective	American History	American Government / Economics	
	9 <sup>th</sup> Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective	
		<b>Computing for College and Careers 820902001 or Intro. to IT 820731001 or Key and Bus Skills 820032011 and Comp and Bus Skills 820033011</b>	<b>Digital Design 1 820951001</b>	<b>Digital Design 2 820952001</b>	<b>Digital Design 3 820953001</b>
	Elective	Elective	Elective	Elective	
	Elective	Elective	Elective	Elective	

#### Suggested Electives:

- Students may in their Junior or Senior year opt to participate in the Career Experience Opportunity (CEO) internship program using the following course numbers: Workplace Essentials – 83003101A (Honors .5) and CEO internship – 0500330CE (Honors .5).
- Students may complete more than one program within the Academy of Information Technology providing courses are offered at the school site.
- In addition, students can choose to enroll in Business and Entrepreneurial Principles, Legal Aspects of Business, Business Cooperative Education, and Photography classes to enhance their marketability.
- To find a Miami-Dade County Public High School with this Program Strand, please link to [http://ssr.dadeschools.net/acad\\_tally\\_schls.pdf](http://ssr.dadeschools.net/acad_tally_schls.pdf)

Internship Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> <li>Internship</li> <li>Cooperative Education</li> <li>Job Shadowing</li> <li>School-Based Enterprise</li> <li>Service Learning</li> <li>Dual Enrollment</li> <li><a href="#">Portal to CEO</a></li> </ul>	<ul style="list-style-type: none"> <li>Future Business Leaders of America (FBLA)</li> <li>Student Chamber of Commerce</li> <li>School Computer Club</li> </ul>	<ul style="list-style-type: none"> <li>Industry Title &amp; FLDOE OCP's correlated to the individual areas.</li> <li>For more information on the Florida Department of Education Bright Futures Scholarship Programs: Florida Academic Scholars Award (FAS), Florida Medallion Scholars Award (FMS), and Florida Gold Seal Vocational Scholars Award (GSV) please contact a guidance counselor or visit: <a href="http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm">http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm</a>.</li> <li>For more information on advanced standing at local public and private post secondary institutions as established per articulation agreements please contact a guidance counselor.</li> </ul>

#### POSTSECONDARY OPTIONS

Certification Programs	Community College (A.A./A.S.) or Proprietary Programs	Four-Year College and University Programs	Other
<ul style="list-style-type: none"> <li>Internet and Computing Core (IC3)</li> <li>Adobe Photoshop CS ACE</li> <li><a href="#">The English Center</a></li> </ul>	<ul style="list-style-type: none"> <li>Digital Design Technology</li> <li>Graphic Design Technology</li> <li>AABA in Visual Communication</li> <li>Computer Arts Animation</li> <li>Web Design</li> <li><a href="#">Miami Dade College-Entertainment &amp; Design Technology Computer Animation</a></li> <li><a href="#">Miami Dade College-Entertainment &amp; Design Technology Graphic Design</a></li> <li><a href="#">Miami Dade College-Web Design</a></li> </ul>	<ul style="list-style-type: none"> <li>Digital Design</li> <li>Graphic Design</li> <li>Information Technology / Graphics and Multimedia</li> <li>BFA in Visual Communication</li> <li>Digital Design and Advertising</li> <li><a href="#">DeVry University</a></li> </ul>	<ul style="list-style-type: none"> <li>On the job training</li> </ul>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>Graphic Artist</li> <li>Commercial Artist</li> <li>Layout/paste-up artist</li> <li>Photo retouching and manipulation</li> </ul>	<ul style="list-style-type: none"> <li>Animation and Special Effects designer</li> <li>Game Designer and Developer</li> <li>Computer Software Engineer</li> <li>Historical art studies</li> <li>Illustrator</li> <li>Web Designer</li> <li>Graphic/Digital Designer</li> <li>Desktop Publisher</li> <li>Audio/Video editing</li> </ul>