

# Academy of Information Technology

## Career Cluster: Information Technology

### Program Strand: Academy of Information Technology

Students who choose a career in Information Technology are trained in the study, design, development, implementation, support and management of computer-based information systems, particularly software applications and computer hardware.

#### 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 Wheel1 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>Introduction to IT 820731001</b>	<b>Programming/Database 820732001 (H)</b>	<b>Technical Support/Networking 820305101 (H)</b>	<b>Web/Digital Media 820736001</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 Business, and Business Cooperative Education 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
<ul style="list-style-type: none"> <li>• Internet and Computing Core (IC3)</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Information Technology</li> <li>• Computer Program and Analysis</li> <li>• Computer Science</li> <li>• Database Technology</li> <li>• <a href="#">Miami Dade College-CIS</a></li> <li>• <a href="#">Miami Dade College-MCDBA</a></li> <li>• <a href="#">Miami Dade College-MCSE</a></li> <li>• <a href="#">Miami Dade College-MCSD</a></li> <li>• <a href="#">Miami Dade College-ET</a></li> </ul>	<ul style="list-style-type: none"> <li>• Computer and Information Science</li> <li>• Computer Engineering</li> <li>• Information Technology</li> </ul> <ul style="list-style-type: none"> <li>• <a href="#">Florida International University-Computer</a></li> <li>• <a href="#">Florida International University-Computer Science</a></li> <li>• <a href="#">Florida International University-Information Technology</a></li> <li>• <a href="#">DeVry University</a></li> </ul>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Data Entry and Information Processing Clerks</li> <li>• Data Processors</li> <li>• Independent Business Owner</li> </ul>	<ul style="list-style-type: none"> <li>• Computer and Information Systems Managers</li> <li>• Computer Programmers</li> <li>• Computer Software Engineers</li> <li>• Database Administrators</li> </ul>