

# Academy of Information Technology

## Career Cluster: Information Technology

### Program Strand: Network Systems: CISCO, Microsoft, UNIX, LINUX

Students who choose a career in Network Systems provide support in software application, hardware configuration and troubleshooting, networking technologies, security, and administration.

#### 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 higher
	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science elective
	World History	American Government / Economics	American History	Internship**
	9 <sup>th</sup> Grade Transition	Foreign Language	Foreign Language	Foreign Language
	<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>Networking 1 820702001</b>	<b>Networking 2 Administration 820744101 or Networking 2 Cisco Year 1 820703003 (H)</b>	<b>Networking 3 Administration 820744201 (H) or Networking 3 Cisco Year 2 820704003 (H)</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, 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> </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> <li>• Cisco Certified Network Associate (CCNA)</li> </ul> <a href="#">The English Center</a> <a href="#">Miami Dade College-CISCO</a>	<ul style="list-style-type: none"> <li>• Computer Office Applications / Technology</li> <li>• Systems Project Manager</li> <li>• Computer Information Administrator</li> <li>• Operating Systems Specialist</li> <li>• Internet Services Technology</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Miami Dade College-ET</a></li> <li>• <a href="#">Miami Dade College-CIS</a></li> <li>• <a href="#">Miami Dade College-Web Design</a></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> </ul> <ul style="list-style-type: none"> <li>• Computer Engineering</li> <li>• Computer Networking and Telecommunications</li> <li>• Computer Science</li> <li>• Information Science</li> <li>• Information Technology Management Information Systems</li> </ul> <a href="#">Devry University</a> <a href="#">Florida International University</a>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Network Support Technician</li> <li>• Hardware Installation</li> <li>• Independent Business Owner</li> <li>• Wireless Installation</li> <li>• Software Quality Assurance Specialist</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Support Specialists</li> <li>• Computer Systems Analysts</li> <li>• Network Administrator</li> <li>• Computer and Information Systems</li> <li>• Computer Hardware Engineer</li> <li>• Computer Programmer</li> <li>• Computer Software Engineer</li> </ul>