

## Academy of Information Technology and Business



### What is the Academy of Information Technology and Business?

The AOIT&B provides training that helps students understand computers and the business world. This training prepares them for fulfilling careers and allows students to become valuable employees in any field. The following are some computer and business career opportunities: Computer Specialist, Computer Programmer, Multimedia Developer, Network Support Specialist, Web Master, Accountant, Small Business Owner, Paralegal, and Business Manager. This academy is affiliated with the prestigious National Academy Foundation ([www.naf.org](http://www.naf.org)).

### What can students learn in AOIT&B? The academy offers:

- **Introduction to Information Technology** –Teaches computer use for all careers. Learn how to use Microsoft Word, Excel, PowerPoint, Access, and Publisher for career, college, and personal use. Learn employability skills. Explore topics like Digital Photography, Digital Sound and Technology, Video Technology, Graphics and Animation, and Computer Trouble Shooting through IT2020 Computer Modules. You can select from 28 computer-related topics.
- **Web Design** – Learn how to design awesome web sites using Dreamweaver.
- **Programming** – Learn how to program using Visual Basic.NET.
- **Networking** – Get CISCO certified with the possibility of earning an excellent salary right out of high school.
- **Accounting** – Learn how to make business decisions and prepare and interpret financial reports.
- **Business Law** – Learn about legal issues in business and your personal life. Get prepared for occupations in the legal field.
- **Entrepreneurship** – Learn how to start your own business.
- **Internships** – Earn money by applying skills learned in the program

### Why should YOU join AOIT&B? AOIT&B features:

- Field Trips
- Future Business Leaders of America Club
- Hands on projects
- Four, year scholarships (Pays up to 75% of your tuition and fees)
- A four year course of study for computers and business
- Training in basic and advanced business skills
- Specialized business computer programs
- State-of-the-art computer technology labs
- Highly trained teaching staff
- Summer Internships



**Interested?** For more information on the Academy of Information Technology and Business, contact:

Mrs. Denise Bailey, American High School, at (305) 557-3770, ext. 2270. Students may also speak with their counselors or any business teacher.

**Important Note: “Go for the Gold! Get Scholarship Money!”**

The Florida Bright Futures Scholarship Program provides the Gold Seal Scholarship. This scholarship pays up to 75% of your tuition and mandatory fees and is renewable annually providing you maintain a certain grade point average. It is awarded to students enrolled full-time in a certificate or degree program at any state university, community college, area vocational center, or accredited private post-secondary vocational, technical, trade, or business school. You must take three business technology courses to qualify. Start planning **NOW!**

There are four strands in this academy. First year students must enroll in Introduction to Information Technology. Core courses in this academy can be found on page 59.

**AOIT&B Curriculum**

All AOIT&B courses satisfy the practical arts requirements for graduation. Business computer classes will satisfy the graduation requirement for computer literacy. There is a \$7.00 fee for all courses. The AOIT&B strands are shown below. Any general business course can be taken as an elective by students in another academy.

Academic core courses can be found on page 59. Sample four year programs are shown below:

	English	Mathematics	Science	Social Studies	Academy Requirements	Elective
<b>9<sup>th</sup></b> <i>Web Design Creative Strand</i>	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Intro to Information Technology	Electives Foreign language
<b>10<sup>th</sup></b> <i>Web Design Creative Strand</i>	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	Web/Digital Media Yearbook 1	Electives Foreign Language
<b>11<sup>th</sup></b> <i>Web Design Creative Strand</i>	English III	Algebra II	Physical Science or Chemistry	American History	Web Design I Yearbook 2	Electives Foreign Language
<b>12<sup>th</sup></b> <i>Web Design Creative Strand</i>	English IV	Pre-Calculus Calculus Statistics	Marine Bio Environmental Anatomy	Government/ Economics	Web Design 2 Yearbook 3	Electives Foreign Language

	<b>English</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>	<b>Academy Requirements</b>	<b>Elective</b>
<b>9<sup>th</sup></b> <i>Networking (CISCO) Technical Strand</i>	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Intro to Information Technology	Electives Foreign Language
<b>10<sup>th</sup></b> <i>Networking (CISCO) Technical Strand</i>	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	Introduction to Networking	Electives Foreign Language
<b>11<sup>th</sup></b> <i>Networking (CISCO) Technical Strand</i>	English III	Algebra II	Physical Science or Chemistry	American History	CISCO 1 Honors	Electives Foreign Language
<b>12<sup>th</sup></b> <i>Networking (CISCO) Technical Strand</i>	English IV	Pre-Calculus Calculus Statistics	Marine Bio Environmental Anatomy	Government/ Economics	CISCO 2 Honors	Electives Foreign Language
<b>9<sup>th</sup></b> <i>Computer Programming Technical Strand</i>	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Introduction to Information Technology	Electives Foreign Language
<b>10<sup>th</sup></b> <i>Computer Programming Technical Strand</i>	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	Web/Digital Media Computer Programming 1	Electives Foreign Language
<b>11<sup>th</sup></b> <i>Computer Programming Technical Strand</i>	English III	Algebra II	Physical Science or Chemistry	American History	Computer Programming 2	Electives Foreign Language
<b>12<sup>th</sup></b> <i>Computer Programming Technical Strand</i>	English IV	Pre-Calculus Calculus Statistics	Marine Bio Environmental Anatomy	Government/ Economics	Computer Programming 3	Electives Foreign Language
<b>9<sup>th</sup></b> <i>Accounting Business Administration Strand</i>	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Intro to Information Technology	Electives Foreign Language
<b>10<sup>th</sup></b> <i>Accounting Business Administration Strand</i>	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	Business Finance and Law	Electives Foreign Language

	English	Mathematics	Science	Social Studies	Academy Requirements	Elective
<b>11<sup>th</sup></b> <i>Accounting Business Administration Strand</i>	English III	Algebra II	Physical Science or Chemistry	American History	Accounting 1	Electives Foreign Language
<b>12<sup>th</sup></b> <i>Accounting Business Administration Strand</i>	English IV	Pre-Calculus Calculus Statistics	Marine Bio Environmental Anatomy	Government/ Economics	Accounting 2 Honors	Electives Foreign Language
<b>9<sup>th</sup></b> <i>Business Mgt Business Administration Strand</i>	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Intro to Information Technology	Electives Foreign Language
<b>10<sup>th</sup></b> <i>Business Mgt Business Administration Strand</i>	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	Business Law Honors	Electives Foreign Language
<b>11<sup>th</sup></b> <i>Business Mgt Business Administration Strand</i>	English III	Algebra II	Physical Science or Chemistry	American History	Business Entrepreneurship Principles Honors	Electives Foreign Language
<b>12<sup>th</sup></b> <i>Business Mgt Business Administration Strand</i>	English IV	Pre-Calculus Calculus Statistics	Marine Bio Environmental Anatomy	Government/ Economics	Business Electives: Accounting 1 Admin Office Tech Digital Design 1 Web Digital Media	Electives Foreign Language

\*All classes are regular, Honors, Pre-AICE, AICE or Advanced Placement

### AOIT&B Strand Courses

SEQ	FL CODE	COURSE TITLE	GRADE	TCH R REC	NOTES
Y01	820731001	Intro. to Information Technology	9		Computers for Careers MS Office Suite/IT2020 Modules
Y02	820736001	Web/Digital Media	10-12	Y	Pre-req: Y01 or computer skills
Y03	820711001	Web Design 1	10-12	Y	Pre-req: Y01 or computer skills
Y04	820712001	Web Design 2	10-12	Y	Pre-req. YO3
Y05	820713001	Web Design 3 (Honors)	10-12	Y	Honors credit
Y06	820721001	Introduction to Networking	10-12	Y	
Y07	820703003	CISCO 1 (Honors)	11	Y	Pre-req: Y02 reading at grade level; honors credit
Y08	820704003	CISCO 2 (Honors)	12	Y	Pre-req: Y06, honors credit; CCNA Certification
Y09	820601003	Computer Programming 1	10	Y	
Y10	820602003	Computer Programming 2	11	Y	Pre-req: Y08
Y11	820603001	Computer Programming 3	12	Y	Pre-req: Y09
Y12	820951001	Digital Design 1	10-12		Pre-req: Y01 or computer skills
Y13	821211001	Admin Office Technology	10-12		Pre-req: Y01 or computer skills; honors credit

SEQ	FL CODE	COURSE TITLE	GRADE	TCH R REC	NOTES
Y14	821512002	Business Entrepreneurship Principles	10-12	Y	Start your own business; honors credit
Y15	821513001	Business Law (Legal Aspects of Business)	10-12	Y	Honors credit
Y16	820331001	Accounting Applications 1	10-12	Y	
Y17	820332001	Accounting Applications 2	11-12	Y	Pre-req: Y15; honors credit
Y18	821611001	Business Finance and Law	10-12	Y	
Y19	821612001	International Finance and Law	10-12	Y	
Y20	821211001	Start your Own Business (NFTE)	12	Y	Special program through the National Foundation for Teaching Entrepreneurship
Y25	820711001	Yearbook 1	10-12		
Y26	820712001	Yearbook 2	11-12	Y	
Y27	820713001	Yearbook 3	12	Y	