

OUR PURPOSE

The AOIT offers students a value-added program to enrich and complement the traditional high school experience. Students develop marketable technology skills embedded in their coursework, and prepare themselves for the industry certifications, postsecondary degrees and careers needed in this high-wage, high-skill career field. Information Technology is everywhere, and our digital workforce must be prepared to do IT all, do IT well, and do IT proud!

NORTHEAST HIGH SCHOOL ACADEMY OF INFORMATION TECHNOLOGY

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Vision: 100% Student Success

Mission: "Educate and prepare each student for college, career and life."

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Academy of Information Technology NORTHEAST HIGH SCHOOL



**ACADEMY OF
INFORMATION
TECHNOLOGY**



CAREER ACADEMY





program of study

OUR PROGRAM

The Academy of Information Technology (AOIT) at Northeast High School combines hands-on technical training, academic course integration and project-based learning in order to respond to the need for a well-qualified, highly technical, analytical and educated local workforce. Students fulfill college entrance requirements in addition to learning work-related IT skills.

THE CURRICULUM

The Academy of Information Technology has expanded its curriculum offerings, reflecting the IT curriculum frameworks from the Florida Department of Education. All students will begin with Introduction to Information Technology in their freshman year and will continue with required courses in Web Technologies and IT Systems & Applications.

Upperclassmen will have a greater choice of courses to complete the program with year-long classes in Database Essentials, Programming Essentials, Web Development Technologies, Multimedia Technologies, Computer Networking Fundamentals, and Cybersecurity Fundamentals. Online preparatory courses are aligned to each of those options so that students can pursue industry certifications.

All courses offer hands-on projects to enhance skills and comprehension, such as

- Programming applications for mobile devices.
- Constructing and programming robots.
- Designing publications for print and digital media.
- Troubleshooting and repairing computer hardware and software problems.
- Building a local-area network.

The Music Technology track is an exciting new offering from Northeast High School that bridges the worlds of Music and Technology. Students will get hands-on experience with proven standard industry recording software, microphones, and live sound to prepare for a career or degree in Music Technology.



Incorporated in all courses are strategies for success including goal setting, study skills, organizing skills, learning styles, employability skills and service learning; and core academic skills with a strong emphasis on effective communication skills. Throughout the program, students build a portfolio containing work samples demonstrating the transferable skills they have achieved toward an IT career.

Qualified students may sit for exams to obtain industry certifications in Microsoft, CompTIA and Adobe applications. Students may become eligible for Bright Futures/Gold Seal scholarships and/or a paid internship.

BUSINESS PARTNERS

AOIT business partners enhance the program by bringing their expertise into the classroom, as speakers, mentors, consultants and guest teachers for hands-on labs and seminars. They provide opportunities for field trips, job shadowing, conferences and internships. Students also participate in Junior Achievement and Future Business Leaders of America programs. The AOIT is affiliated with NAF, the National Academy Foundation.