For More Information

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NATIONAL Academy FOUNDATION

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VISION STATEMENT
All students will complete school prepared for ongoing learning as well as community and global responsibilities.

Naples High School

Academy of Information Technology

"There are only two kinds of people in the world,

GOLDEN EAGLES

and those who want to be

GOLDEN EAGLES!"

Information Technology

The National Academy Foundation's (NAF) Academies of Information Technology prepare students for careers in programming, database administration, web design and administration, digital networks, and other areas in the expanding digital workplace.

Why Join a NAF Academy

In addition to studying career-focused curriculum and working on collaborative projects, NHS AOIT students gain critical career knowledge through a series of work-based learning experiences both inside and outside of the classroom. These activities include job shadowing, mock interviews, resume writing workshops, and culminate with a compensated internship.

NAF's student certification assessment system validates successful course completion, projects, and internships. By receiving a passing score on End-of-Course exams and satisfactory scores on project and internship assessments, students earn a NAF credential, signifying to post-secondary institutions and employers that they are both college and career ready.

Graduates of NAF academies complete college faster, earn more, and have stronger ties to their communities than their peers. NAF's 96% senior graduation rate is a testament to this effort.

Courses

Principles of Information Technology

This is the first course students take in the Academy of Information Technology. It provides an overview of information technology and introduces students to the basics of hardware and software. Students examine hardware components including peripherals, connectors, and memory. Students explore common operating systems, software applications, and programming languages. Students learn about types of networks and network topology, and they set up an email client/server connection. Students also consider contemporary issues such as security, privacy, and technological inequality.

Web Design

Web Design is a hands-on introduction to designing, building, and launching Web sites. Students learn about Web development including HTML coding, usability, design, and Web-based publishing tools. Students determine business requirements, gather Web content, create Web pages, conduct usability testing, launch their Web sites, and plan how to attract traffic.

Digital Video Production

Digital Video Production provides a hands-on introduction to digital video production. It guides students through all phases of digital video production, from planning, executing, and managing a video shoot to editing footage. Students explore methods of sharing and broadcasting digital videos, including platform versions, CDs/DVDs, and web delivery. They also learn about publicizing a digital video, using techniques such as search engines to direct viewers to the production.

Computer Systems

Computer Systems walks students through the intricacies of setting up hardware, installing software, connecting to a network, and connecting to the Internet. Students get hands-on practice upgrading operating systems. They get practice assembling and disassembling computer hardware including peripherals, motherboards, FRUs, and connectors. Students also learn troubleshooting techniques.

Introduction to Programming

Introduction to Programming uses Python as a basis for learning general programming skills. Students learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. Students complete over 60 programs in the course, including both text and graphics/animation programs. In addition to programming, students learn program design, documentation, formal debugging, and testing.

Academy
of INFORMATION
TECHNOLOGY