Workforce Education
Escambia County Public Schools

THE INFORMATION TECHNOLOGY INDUSTRY IS A DYNAMIC AND ENTREPRENEURIAL FIELD THAT CONTINUES TO HAVE A REVOLUTIONARY IMPACT ON THE ECONOMY AND THE WORLD AROUND US. CONSIDER A REWARDING CAREER IN THE FIELD OF INFORMATION TECHNOLOGY!

Escambia County Public Schools does not discriminate on the basis of race, color, religion, sex, age, national origin, disability, genetic information, or marital status in its employment practices or in the admission and treatment of students.

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THE WEST FLORIDA WAY

West Florida High School of Advanced Technology is an innovative high school focused on providing a unique, comprehensive, useful education that will lead to lifelong personal, career, and professional accomplishments. WFHS is looking for students who are motivated, ambitious, and eager to succeed in college and/or career fields.

ACADEMY OF INFORMATION TECHNOLOGY
ESI SHANNON, PRINCIPAL
150 E. Burgess Road
Pensacola, FL 32503

West Florida High School of Advanced Technology

WEST FLORIDA HIGH SCHOOL
OF ADVANCED TECHNOLOGY

Academy of Information Technology

RENAKO BANKS
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Course Offerings

Freshman Year – Foundations of Programming: This course utilizes CodeHS and CompuScholar, an on-line computer science curriculum providing hands-on programming activities in Python covering these concepts: Data Types & Variables -- Working with Strings -- User Input -- Basic Flow Control -- Writing Methods-Debugging & Exceptions -- Software Development Careers.

Sophomore Year – Procedural Programming: This course covers User Prompts -- Proper Naming Conventions -- Selection, Repetition & Nested Structures -- Arithmetic & Logic Operators -- Conversion Between Data Types -- Arrays & Array Lists -- Debugging & Error Codes -- IT Concepts and Infrastructure -- Structured Python Programing -- Artificial Intelligence -- Intro to Java Coding

This program is the only true computer-programming academy in the district. The courses are taught using Python and Java programming language as the foundation. Instruction begins with programming foundations using CodeHS and CompuScholar, an online, step-by-step Computer Science curriculum.



In addition to procedural, Artificial Intelligence, object-oriented programming, and database management in Java, students will learn to program applications for Androids and will be introduced to other software, including gaming in Virtual Reality, and other various on-line resources.

Course Offerings

Junior Year – Artificial Intelligence: This course covers Artificial Intelligence, and utilizes Gmetrix to provide foundational knowledge and procedures to develop an AI solution. Students will understand issues surrounding the governance, transparency, security, and ethics of AI. Students will also focus on their Technology Capstone Project throughout the year

Senior Year – Java Database Programming: This course follows College Board's Computer Science Curriculum and includes: Database Applications -- User-defined functions -- Class Conversion -- Relational Database Management Systems –- Graphical User Interfaces -- Virtual Reality -- AI