



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.

Melia Adams
EEOC/Title IX Coordinator
Escambia County Public Schools
75 North Pace Boulevard
Pensacola, FL 32505
Phone: (850) 469-6111
Email: madams@ecsdfl.us

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.

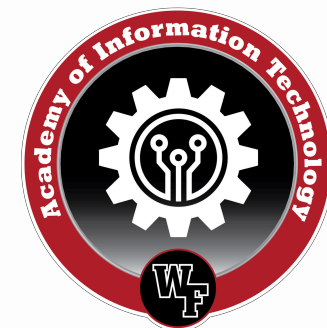


ACADEMY OF
INFORMATION
TECHNOLOGY

ESI SHANNON, PRINCIPAL

150 E. Burgess Road
Pensacola, FL 32503

West Florida High School of Advanced Technology



MARY MASSEY
MMASSEY@ECSDFL.US
RENAKO BANKS
RBANKS@ECSDFL.US

Course Offerings

Freshman Year -

Foundations of Programming: We will be using 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 Mobile App Development for Androids using App Inventor Introduction to Gaming Programming with Unity

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 Unity, and other various on-line resources.

During their senior year, students also have the opportunity to partner with a local business in order to develop real-world software applications. Training encompasses research, textbooks, verbal and visual training, and skill development through hands-on activities.

Course Offerings

Junior Year -

Artificial Intelligence: This course covers Artificial Intelligence, and we will be using 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 covers SQL - Database Applications - User-defined functions - UML & ER Diagrams - Class Conversion - Midlets, CLDC & Profiles - J2ME vs J2SE - Remote Method Invocation - Relational Database Management Systems - Graphical User Interfaces

