



ACADEMY OF
Information Technology
BEACHSIDE HIGH SCHOOL

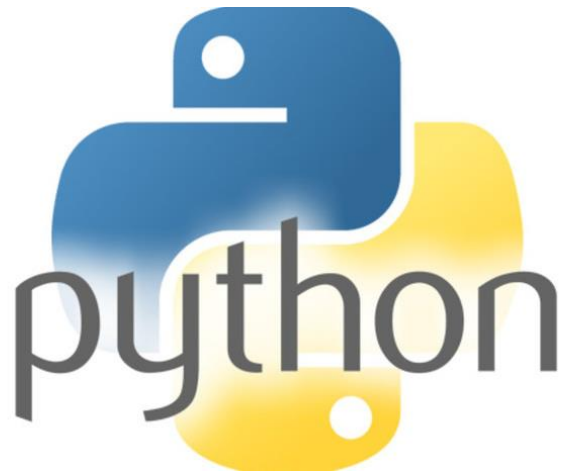
The IT Academy is a Four-Year Program with a focus on Programming languages

YEAR ONE: FOUNDATIONS OF PROGRAMMING HONORS

JavaScript



- This course is an introduction to Computer Science and Programming Languages. Students will learn how to use the programming language JavaScript as they learn the basics of computational thinking and the design process.
- This course has no prerequisites, but a strong understanding of algebra will help you be more successful.
- The ITS JavaScript Certification Exam will be given to students at the end of the year.



YEAR TWO: PROCEDURAL PROGRAMMING HONORS

- This is a faster paced programming course. Students will review basic programming concepts and the design process.
- Students will learn the Python Programming language while they create apps and games.
- The ITS Python Certification Exam will be given to students at the end of the year.

YEAR THREE: OBJECT ORIENTED PROGRAMMING HONORS

- Students round out their programming language knowledge while learning the programming language, Java, in their 3rd year of the Academy.
- Students will learn about databases and the cloud, as well as strengthen their overall computer science knowledge while creating programs for their digital portfolios.
- Students will take the ITS Java Certification Exam at the end of the year.



YEAR FOUR: AP COMPUTER SCIENCE PRINCIPLES OR AP CSA

- These courses are an overview of Computer Science which will allow the students to continue their programming education, as well as focusing on their next steps...whether that is to continue their education in college, or head straight to the workforce.
- Students will have access to local internship opportunities, as well as establish local industry professional mentorships.
- Students will finalize a digital portfolio of their programming work to present to future employers.
- Students will take the AP CSP or CSA Exam at the end of the year.

Scholarships

Mentors

Internships

AP

Collaborate with BioMed, Logistics, and Vet Academy Students

Logos on map: University of West Florida, Gulf Coast State College, Florida State University, UNF University of North Florida, University of Central Florida, USF University of South Florida, IRSC Indian River State College, Palm Beach State College, Florida Gulf Coast University, FIU, VyStar Credit Union, Keiser University, Citi, Microsoft TEALS Program, Cognizant.



Mentors



Internships



Collaborate with BioMed, Logistics, and Vet Academy Students

Is the I.T. Academy right for you?

- DO YOU WANT TO LEARN HOW TO PROGRAM SOFTWARE, APPS, OR GAMES?
- DO YOU LIKE SOLVING PROBLEMS FOR OTHER PEOPLE?
- DO YOU CONSIDER YOURSELF GOOD AT, OR DO YOU ENJOY, PUZZLES, RIDDLES, OR LOGIC GAMES?
- DO YOU WANT TO USE COMPUTER PROGRAMMING IN YOUR FUTURE CAREER?
- ARE YOU ABLE TO WORK IN A GROUP OR TAKE DIRECTION FROM OTHERS?

IF SO, THIS ACADEMY IS IDEAL FOR YOU!