

# BAY COUNTY

## - Career Pathways -

### COMPUTER SCIENCE



If you are fascinated by cloud computing, mobile devices, cybersecurity, and programming languages, then a career in Computer Science could be for you! According to the U.S. Department of Labor’s Bureau of Labor Statistics (BLS), the need for computer and information technology (IT) occupations is estimated to grow by 13 percent in the next decade.

#### FIRST

*Requires on-the-job training, work experience, and/or a high school diploma.*

##### Job

##### 2023 Avg. Hr. Rate

Computer Numerically Controlled Tool Operators	\$19.49
Computer, Automated Teller, and Office Machine Repairers	\$17.49

#### NEXT

*Requires 2-4 years of education beyond high school.*

##### Job

##### 2023 Avg. Hr. Rate

Computer User Support Specialists	\$24.95
Computer Programmers	\$39.92
Computer Hardware Engineers	\$55.15
Computer Network Architects	\$53.64

#### LATER

*Requires 4 or more years of education beyond high school plus work experience.*

##### Job

##### 2023 Avg. Hr. Rate

Computer System Analysts	\$44.58
Computer and Information Research Scientists	\$63.54
Computer and Information System Managers	\$70.34



\* See back for Training Pathways >>

# TRAINING PATHWAYS in

## COMPUTER SCIENCE



### FIRST

Programs are middle & high school career exploration or career pathways. Students enrolled in the Computer Science Career Pathway at Arnold HS can sit for Industry Certifications in **It like Comptia Fundamentals+** as well as **AP Computer Science Principles** and **AP Computer Science A**.

#### Training Program

- Foundations of Programming
- AP Computer Science Principles
- AP Computer Science A

#### Institutions / School

Arnold High School  
Arnold High School  
Arnold High School

*\* Through completion of this portion of the pathway, you could qualify for the Bright Futures Gold Seal Vocational Scholarship.*

### NEXT

Programs are certifications, technical programs or 2 year degrees.

#### Training Program

- Computer Systems and Information Technology
- A.A. Computer Science Option, Liberal Arts
- A.A. Computer Science & Software Engineering Option, Liberal Arts

#### Institutions / School

Tom P. Haney Technical College  
  
Gulf Coast State College

### LATER

Requires 4 or more years of education beyond high school plus work experience.

#### Training Program

- B.S. Technology Management
- B.S. Computer Programming and Applications

#### Institutions / School

Gulf Coast State College  
Florida State University - Panama City

#### SOURCES:

\*Bureau of Workforce Statistics and Economic Research, Florida Department of Economic Opportunity, Florida Statewide Demand Occupations List, 2022-2023

\*U.S. Department of Labor, Bureau of Labor Statistics, Florida Occupational Employment and Wages Report, 2021

The district's career and technical programs are open to all eligible students and are committed to a nondiscrimination policy in employment and educational opportunity. Questions or complaints may be sent to Holly Buchanan, Executive Director/Equity Coordinator/ Human Resources and Employee Support Services @ 850-767-4100 (buchahda@bay.k12.fl.us).