

# BAY COUNTY

## - Career Pathways -



J.R. ARNOLD  
HIGH SCHOOL

## ENGINEERING DESIGN & ROBOTICS

If you like to figure out how things work. If you like to take things apart and put them back together, then the **Engineering and Robotics Career Pathway** may be for you. Engineering and Robotics touch all of our lives with innovations that continually improve our way of life. If you want to design and build creatively then join the Engineering and Robotics Career Pathway.

### FIRST

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

#### Job

#### 2022 Avg. Hr. Rate

Drafters, All Other

\$26.49

Tapers

\$19.77

### NEXT

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

#### Job

#### 2022 Avg. Hr. Rate

Civil Engineering Technologist and Technicians

\$25.00

Mechanical Engineering Technologist and Technicians

\$26.69

Aerospace Engineering & Operations Technologist and Technicians

\$33.00

Industrial Engineering Technologist and Technicians

\$26.36

### LATER

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

#### Job

#### 2022 Avg. Hr. Rate

Aerospace Engineer

\$52.69

Environmental Engineer

\$39.44

Civil Engineer

\$42.82

Mechanical Engineer

\$43.11



\* See back for Training Pathways >>

For more information, please visit: [www.bay.k12.fl.us/cte-2](http://www.bay.k12.fl.us/cte-2)

# TRAINING PATHWAYS in



## ENGINEERING DESIGN & ROBOTICS

Programs are middle & high school career exploration or career pathways. Students enrolled in the Engineering and Robotics Career Pathway at Arnold HS can sit for Industry Certifications in **Autodesk Inventor, Fusion 360, Solidworks** and potentially be recognized by the Florida Engineering Society with the **Engineering Core Certification**.

### FIRST

#### Training Program

- Introduction to Engineering Design (IED)
- Digital Electronics (DE)
- Principles of Engineering (POE)
- Engineering Design and Development (EDD)

#### Institutions / School

Arnold High 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

- A.C., Refrigeration & Heating Technology (HVAC)
- Electrician Certification
- Welding Technology

#### Institutions / School

Tom P. Haney Technical Center

- Engineering Technology Support C.C.C
- A.A. Engineering Option, Liberal Arts

Gulf Coast State College

### LATER

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

#### Training Program

B.S. Electrical Engineering  
B.S. Civil Engineering

#### Institutions / School

Florida State University, Panama City

#### SOURCES:

\*Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research, Occupational Employment Statistics Program (OES), 2020

\*Bureau of Labor Statistics, U. S. Department of Labor, Occupational Outlook Handbook, 2020

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 Shirley Byas, Executive Director/Equity Coordinator/ Human Resources and Employee Support Services @ 850-767-4100 (bakerys@bay.k12.fl.us).