

# BAY COUNTY

## - Career Pathways -



## 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 exp, and/or a HS degree.*

#### Job

#### 2021 Avg Hr Rate

DDrafter	\$26.03
Engineering Technician	\$26.63

### NEXT

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

#### Job

#### 2021 Avg Hr Rate

Civil Engineering Technician I	\$24.52
Mechanical Engineering Technician II	\$25.07
Electrical Engineering/Robotics Technician III	\$29.47
Industrial Engineering Technician IV	\$25.96

### LATER

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

#### Job

#### 2021 Avg Hr Rate

Aerospace Engineer	\$51.92
Environmental Engineer	\$39.41
Product Safety Engineer	\$45.58
Mechanical Engineer	\$44.97



\* See back for Training Pathways >>

# TRAINING PATHWAYS in

## ENGINEERING DESIGN & ROBOTICS



*Programs are middle & high school career exploration or career academy programs.  
Students enrolled in the Engineering Academy at Bay HS can sit for the Autodesk Inventor,  
Fusion 360 and Solidworks industry certifications..*

### FIRST

#### Training Program

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

#### Institutions / School

Bay High School  
Bay High School  
Bay High School  
Bay High School

*\* Through completion of this academy, 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
  - Electricity Certification
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- A.S. Architectural Design & Construction Technology
  - A.A. Engineering Technology - Bldg. Construction

#### Institutions / School

Tom P. Haney Technical Center  
  
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)

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

\* FREIDA-Florida Research and Economic Information  
Database Application

Organized by the Bay High School Marketing Department