

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 experience, and/or a high school diploma.

Job

2021 Avg Hr Rate

Drafter	\$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 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)

*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