

Industry Certifications



**Certified
Production
Technician**



Student Organizations



Frank H. Peterson

Vision

All students will graduate with an appreciation for life-long learning, prepared to enter the work force and/or pursue higher education.

A public magnet school located on the west side, Peterson is home to eight career technical academies:

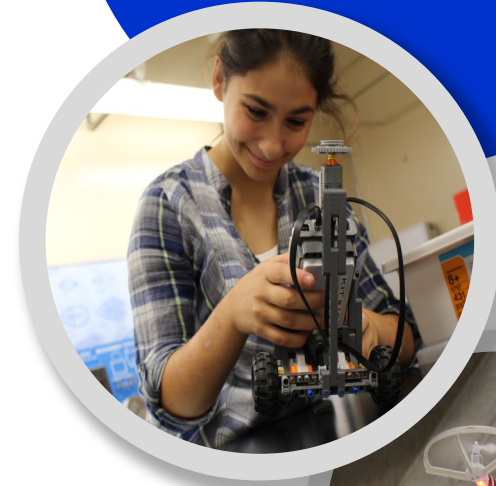
- Agriscience Biotech & Vet Assisting**
- Automotive**
- Aviation**
- Communications**
- Cosmetology**
- Culinary**
- Early Childhood Education**
- Robotics & Advanced Manufacturing**

Peterson students have the opportunity to participate and compete in different national organizations depending on their academy.



7450 Wilson Boulevard
Jacksonville, Florida 32210
(904) 573-1150

ROBOTICS & ADVANCED MANUFACTURING *Academy*



FRANK H. PETERSON
A College and Career Prep School

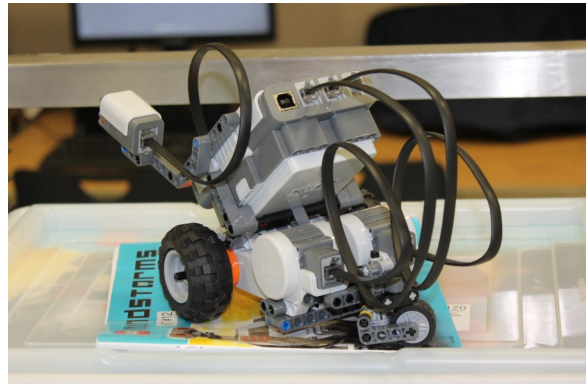
MISSION

Our Mission is to provide a specialized four-year program designed to prepare students for post-secondary education and industry certifications leading to a rewarding career in Automation, Manufacturing, or Engineering Technologies.



About Our Academy

- ◆ Four year program based on FLDOE Curriculum Framework
- ◆ Career and college readiness
- ◆ Mentoring program through GE-Unison
- ◆ Industry certification



Applied Robotics

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of the principles and applications of robotics engineering and its effect upon our lives and the choosing of an occupation. The content and activities will also include the study of entrepreneurship, safety, and leadership skills.

This program focuses on transferable skills and stresses understanding and demonstration of the science and mathematics knowledge, technological tools, machines, instruments, materials, processes and systems related to robotics. Students build and program robots in order to better understand the functional parts and controls of industrial robots.

Advanced Manufacturing Technology

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster.

This program offers a broad foundation of knowledge and skills such as;

- OSHA safety requirements
- basic hand tools
- precision measuring
- blueprint reading
- pneumatics
- hydraulics
- electrical theory
- electrical controls
- CNC machines
- welding
- PLC programming in order to prepare students for employment in Automation and Production operation and maintenance positions and prepare students to test for the MSSC Certified Production Technician (CPT) National Certification.