



*Florida Institute  
of Technology*

# Pirates TO Panthers ACADEMY

A dual enrollment program

The **Pirates to Panthers (P<sub>2</sub>P) Academy** is a collaboration between Florida Institute of Technology and Palm Bay Magnet High School designed to prepare students for success in industries unique to Florida's Space Coast. Students who participate in the program gain high-quality, hands-on education experience at the high school and college levels, preparing them for careers of the future.

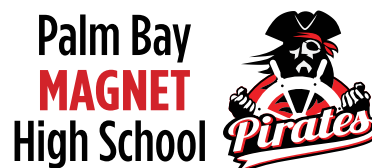
## **BENEFITS OF THE P<sub>2</sub>P ACADEMY**

Students admitted to the program earn college credit from a prestigious national, doctoral-granting research university at no cost to them. Additional benefits include:

- Hands-on, college-level experience in science, engineering, business, aeronautics, psychology and liberal arts while still in high school
- Enhanced credentials prior to applying for admission to four-year universities
- Access to stellar faculty and state-of-the-art research and laboratories
- Guaranteed admission to a Florida Tech degree program if you complete at least 6 semester credit hours and achieve a cumulative GPA of 3.0 or higher in your courses at Florida Tech



**IN PARTNERSHIP WITH**



## ENTRANCE REQUIREMENTS

To enter the P<sub>2</sub>P Academy, interested students must submit the following to PBMS:

- EPO magnet Application for Non-Zoned students
- Academic records
- A minimum of two teacher recommendations
- A one-page, properly formatted essay that outlines why the student feels they will be a good fit for the program

Prior to the end of their sophomore year, students in the P<sub>2</sub>P Academy must meet Florida Tech's dual enrollment requirements ([fit.edu/dual-enrollment](http://fit.edu/dual-enrollment)). Application details will be shared at a future informational meeting.

## PROGRAMMATIC REQUIREMENTS

Successful completion of the P<sub>2</sub>P Academy will require the following of the student:

- Retention of a cumulative 3.0 unweighted GPA throughout all four years of the program.
- While at the high school, students must take academically rigorous course work in core academic classes.

## ADDITIONAL PROGRAM OPPORTUNITIES

- Successful completion of a student-driven, school-based senior project that seeks to solve a problem and provide solutions to improve some aspect of Palm Bay Magnet High School.
- Mentorship Program with local industry experts in student's interested fields.
- Work experiences in student's field of interest.
- Field trip experiences in various STEAM fields.

## SUGGESTED COURSE PROGRESSION

Summer Before 9th Grade	Subject Area	9th Grade	10th Grade	11th Grade	12th Grade
Career Research and Decision Making (FLVS)	English	English I Honors	English II Honors	AP Language & Composition	AP Literature & Composition
	Math	Geometry Honors or Algebra 2 Honors	Algebra 2 Honors or Precalculus	Precalculus or AP Calculus AB	AP Calculus AB or BC
	Science	AP Biology or Biology Honors	AP Chemistry or Chemistry Honors	AP Physics–Algebra 1 or Physics Honors	AP Physics C
	Social Studies	AP Human Geography or World History Honors	AP U.S. History or U.S. History Honors	AP Micro-economics or AP Macro-economics	Political Systems Honors/AP U.S. Government
	Elective	HOPE/JROTC/ Fine Arts	P <sub>2</sub> P PBMS Elective	P <sub>2</sub> P College Courses Fall/Spring at FIT	P <sub>2</sub> P College Courses Fall/Spring at FIT
	Elective	P <sub>2</sub> P Elective	P <sub>2</sub> P PBMS Elective	P <sub>2</sub> P College Courses Fall/Spring at FIT	P <sub>2</sub> P College Courses Fall/Spring at FIT
	Elective	Foreign Language or Free Elective	Foreign Language or Free Elective	PBMS or FIT Free Elective	PBMS or FIT Free Elective
Testing		AP Test(s)	SAT State Test in March/AP Test(s)/ CTE Industry Cert	AP Test(s)/ CTE Industry Cert	AP Test(s)

## PATHWAY EXAMPLES

Pathways will be tailored to each individual's strengths and interests.

Interests	9th Grade	10th Grade	11th Grade	12th Grade
Engineering	8401110X Applied Engineering Tech I	8401120X Applied Engineering 2	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
		8401130X Applied Engineering 3	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
Robotics	9410110X Foundations of Robotics	941020X Robotic Design Essentials	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
		9410130X Robotic Systems	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
Game Design	8208110X Game & Simulation Foundations	8208120 Game & Simulation Design	8208130X Game & Simulation Programming	FIT Courses Fall/Spring semesters*
		9007210X Foundations of Programming	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
Computer Programming	9007210X Foundations of Programming	9007510X Web Programming	AP Computer Science	FIT Courses Fall/Spring semesters
		9007520X JavaScript	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
Bioscience	20003204 BioScience 1 Honors	BioScience Honors 2	FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*
			FIT Courses Fall/Spring semesters*	FIT Courses Fall/Spring semesters*

\* Performance, interest and advising suggestions will impact course selection and availability.

Preliminary program details. More information to follow.

## PIRATES TO PANTHERS LIAISONS

### Palm Bay Magnet High School

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### Palm Bay Magnet High School

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### Florida Institute of Technology

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