

Roy F. Kenzie Awards Program

Pompano Beach CRA

Gaetz Aerospace Institute | Embry-Riddle Aeronautical University

Aviation Concurrent Enrollment Program at Blanche Ely High
School

Management Programs & Creative Partnerships

Gaetz Aerospace Institute | Embry-Riddle
Aeronautical University
Aviation Concurrent Enrollment Program at
Blanche Ely High School

Inaugural Class 2016-2017



Gaetz Aerospace Institute | Embry-Riddle Aeronautical University Aviation Concurrent Enrollment Program at Blanche Ely High School

One Problem: **Pilot Shortage**

- As Bloomberg has reported, studies from top aviation departments in the United States predict that by 2026, the pilot deficit could be as big as 15,000.

One explanation:

- Mandatory retirement age for pilots, as mandated by the Federal Aviation Administration, is 65 years old.

One Solution:

- An opportunity for future pilots

Today, average pilot salary is around \$80,000.00 and the highest earners can make as much as \$200,000.00.

Gaetz Aerospace Institute | Embry-Riddle
Aeronautical University
Aviation Concurrent Enrollment Program at
Blanche Ely High School

Class Project Unmanned Aircraft Systems
Robotics



This course prepares students to integrate robotic technology into the hardware and software regimes of unmanned aviation. It will include examinations of control and system programming in the context of specific missions through guided discussions, simulation, and the operation of actual unmanned aircraft robotic systems.

Gaetz Aerospace Institute | Embry-Riddle Aeronautical University Aviation Concurrent Enrollment Program at Blanche Ely High School

Class Fieldtrip Private Pilot Operations



This course develops the aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include: regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making.

Gaetz Aerospace Institute | Embry-Riddle Aeronautical University Aviation Concurrent Enrollment Program at Blanche Ely High School

Outcome

A demographic typically underrepresented in Aviation Aerospace, now has the opportunity to consider this career field. The only senior year student in the Program for the 2016-2017 school year was accepted into Embry-Riddle Aeronautical University with a \$17,000 scholarship!

Gaetz Aerospace Institute | Embry-Riddle
Aeronautical University
Aviation Concurrent Enrollment Program at
Blanche Ely High School

Next Steps

AN INCREASE IN THE IN THE NUMBER OF COURSE SECTIONS
BEING OFFERED FROM 15 SECTIONS UP TO 28 SECTIONS