



Curriculum

Strand 1: Aviation Maintenance

- Aerospace Technologies 1 Honors
- Aerospace Technologies 2 Honors
- Aero Tech 3 Honors + Aircraft Fabrication
- On-the-Job Training / Internship

Strand 2: Aerospace Studies

- Aerospace Technologies 1 Honors
- Aerospace Technologies 2
- Aero Tech 3 Honors + Unmanned Aircraft
- Embry-Riddle Dual Enrollment

Dual Enrollment courses may include:

- Private Pilot Ground School
- Unmanned Aircraft Systems
- Introduction to Aeronautical Science
- Applications in Aerial Photography
- USA Operations and Cross Country Data Entry



St Johns County School District prohibits discrimination against students, employees and applicants on the basis of race, color, religion, gender, age, ethnicity, national origin, marital status, disability, political or religious beliefs and national or ethnic origin. If you believe that you have been harassed or discriminated against, contact Your School or Department Administration Or A member of the Equity Committee

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A copy of Policy 2.16 can be found at http://www.stjohns.k12.fl.us/board/wp-content/uploads/sites/11/2015/02/2_16.pdf
Rules and Policies are at each school location including the District Office at 40 Orange Street.

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THE AVIATION & AEROSPACE ACADEMY



at St. Augustine High School
in partnership with Embry Riddle Aeronautical University

Mission Statement

To provide a small learning community for students to explore careers in aviation and aerospace. Students will develop skills to become career and college ready.



Area 17

In 2017, the Aerospace Academy successfully designated an FAA flight zone called Area 17 on the school campus. The first in the nation to receive this renewable authorization, supervised students are permitted to fly small Unmanned Aircraft (drones), radio controlled aircraft, and flight test model rockets within the boundaries of Area 17. The location and time of these flight operations are broadcasted several times a day over the ATIS (Automatic Terminal Information Service) of Northeast Florida Regional Airport.



St. Augustine High School has partnered with one of the finest aviation and aeronautical university in the world, Embry-Riddle Aeronautical University, to provide students with a concurrent enrollment model that offers

- Dual enrollment courses
- Weighted high school credit
- FAA-approved training
- Industry Certifications

Classes are taught by Embry-Riddle professors at St. Augustine High School. Students have the opportunity to:

- Save over \$10,000 in tuition at ERAU
- Earn free college credit up to 12 credits
- Learn flying techniques using flight simulators and unmanned aircraft vehicles

OJT & Internships

Business partners provide opportunities for students to understand the relevance between education and work-based needs. Each year Juniors and Seniors are offered opportunities for on-the-job training or internships with local aviation-based businesses including:

- Northrop Grumman
- Anastasia Mosquito Control
- Carlisle Interconnect Technologies
- Northeast Florida Regional Airport

Northrop Grumman (St Augustine Facility) offers select 12th grade students a paid internship to learn aircraft fabrication while working part-time 4 days a week. After a year of on-the-job training, interns are considered for full-time employment after graduation. **Students in our Aviation Maintenance Strand** prepare for this opportunity through their coursework and benefit from the close proximity to the manufacturing facility.

11th and 12th grade Aerospace students may also participate in Northrop Grumman's **High School Involvement Program (HIP)**. Students spend one Wednesday a month for two years shadowing engineers and other selected employees, receiving authentic field experience in various aerospace disciplines. The mentorships that result from this program are invaluable to the students as they make future college and career choices.

Industry Certifications

Industry certifications such as USI Unmanned Aircraft Safety, USI Visual Line of Sight, FAA Part 107 Commercial Drone Pilot, and FAA Private Pilot Ground School are offered through Embry-Riddle Dual Enrollment courses. These certifications give students competitive edge in employment and college admissions.