

Curriculum

Strand 1: Aviation Maintenance

- Journey of Aviation Maintenance Honors
- Aviation Assembly Technician 1 Honors
- Aviation Assembly Technician 2 Honors
- Aviation Assembly Technician 3 Honors
 - Earn NCATT AAA Certification

Strand 2: Aerospace Studies

- Aerospace Technologies 1 Honors
- Aerospace Technologies 2 Honors
- Aerospace Technologies 3 Honors
- Embry-Riddle Dual Enrollment

Dual Enrollment courses may include:

- Introduction to Aeronautical Science
- Unmanned Aircraft Systems
- UAS Operations and X-Country Data Entry
- UAS Systems Security
- Private Pilot Ground School



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

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.



Travis Brown, Principal
Earl Brown, Assistant Principal
Carla Brown, Assistant Principal
Twila Needham, Assistant Principal
Robert Raimann, Career Specialist

St. Augustine High School 3205 Varella Avenue, St. Augustine, FL 32084 Phone: 904-547-8530 Fax: 904-547-8535

Email: robert.raimann@stjohns.k12.fl.us

ACADEMY OF AVIATION & AEROSPACE



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.





Overview

St. Augustine High School offers students an introduction to STEM careers in Aviation and Aerospace. The program provides technical training and hands-on experiences that prepare students for a wide range of opportunities, from piloting and drone operations to aircraft maintenance and engineering. Students learn the math and science foundations of aviation, build and program drones, troubleshoot aircraft components, and explore space flight by designing and launching rockets. They also gain flight experience using simulators and operate professional-grade drones, building pathways to post-secondary education and careers in the aerospace industry.







Dual Enrollment

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 15 credits
- Learn flying techniques using flight simulators and unmanned aircraft vehicles

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 <u>paid</u> <u>internship</u> 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 Commerical Drone Pilot, and FAA Private Pilot Ground School are offered through Embry-Riddle Dual Enrollment courses. Aviation Maintenance students will earn their NCATT (AAA) Aerospace Aircraft Assembly Certification as 12th graders.