


Career Cluster: Engineering & Technology Education

CTE Program: St. Johns County Aerospace Academy
Secondary: St. Augustine High School, St. Johns County School District
 Aerospace Technologies – 8600080
Postsecondary:
St. Johns River State College: St. Augustine: The Blue Gold Connection gives students an AA degree from SJR State College and automatic acceptance into the Aerospace Programs at Embry Riddle Aeronautical University
FL State College at Jacksonville: Aviation Maintenance Management (A.S.-1649010401), Aviation Operations (A.S.-1649010404)
Embry Riddle Aeronautical University, Daytona Beach: Aeronautics (A.S.-1649010400) (B.S.-49.0101), Aerospace Engineering (B.S.-15.0801), Aerospace Physiology (B.S.-26.0912), Air Traffic Management (B.S.-49.0105) Aircraft Dispatcher (Certificate-0649010403), Aviation Business Administration (A.S.-1649010403) (B.S.), Aviation Maintenance (A.S.-1649010401) (B.S.-29.0401), Aviation Maintenance Technician, Part 65 (Certificate-0649010408), Business Administration in Aviation Management (M.S.)

Career Cluster Pathway: Engineering & Technology

Industry Certification: Secondary: FAA Ground School (FEDAA013); Small UAS Safety Certification (USINS001), Aerospace Technician (SPACE001)
Postsecondary: St. Johns River State College, FL State College at Jacksonville, Embry Riddle Aeronautical University: NA

|  | 16 CORE CURRICULUM CREDITS | | | | | 8 ADDITIONAL CREDITS | | |
|--|----------------------------|-------------------|----------------------------------|-----------------------------|--|--|--|--|
| | ENGLISH 4 credits | MATH 4 credits | SCIENCE 3 credits, 2 with lab | SOCIAL STUDIES 3 credits | OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit) | CAREER AND TECHNICAL EDUCATION COURSES | RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS) | |

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| HIGH SCHOOL | <ul style="list-style-type: none"> Students are encouraged to use www.mycareershines.org to explore careers and postsecondary options. Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program | | | | | | | |
| | 9th | English 1/Honors/AICE Lang AS | Geometry/Honors | Physical Science/Honors | Teen Leadership/AP Human Geography | Digital Information Technology-8207310 (Recommended Elective) (Practical/Fine Arts Credit) | Aerospace Technology 1 - 8600580 | Elective or Foreign Language |
| | 10th | English 2/Honors/AICE Lang A | Algebra 2/Honors | Biology/Honors | World History/Honors | HOPE – Health Opportunities through Physical Education | Aerospace Technology 2 - 8600680 | Elective or Foreign Language |
| | 11th | English 3/AICE General Paper/AICE Lit AS | Pre-Calculus | Earth Space Science/Honors | American History/Honors, SJRSC Dual Enrollment – US History (AMH 2010 & 2020) | Elective | Aerospace Technology 3 - 8601780 | Elective or Foreign Language ATF1103 Private Pilot Ground School Option (ERAU Dual Enrollment) |
| | 12th | English 4 CP/Any AICE Level Course /SJRSC Dual Enrollment - Composition I & II (ENC 1101 & 1102) | AP Statistics/AP Calculus, SJRSC Dual Enrollment – College Algebra (MAC 1105) | Chemistry/Honors; Physics/Honors, SJRSC Dual Enrollment – General Biology + Lab (BSC 1005), Introduction to Chemistry (CHM1020) | Economics/Honors; American Government/Honors | Elective | ASC3471 Flight Physiology (ERAU Dual Enrollment) /ASC 2560 Unmanned Aircraft Systems (ERAU Dual Enrollment) | Elective or Foreign Language/ATF1103 Private Pilot Ground School Option (ERAU Dual Enrollment) |

| POSTSECONDARY | Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available. | | |
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| | TECHNICAL CENTER PROGRAM(S) | COMMUNITY COLLEGE PROGRAM(S) | UNIVERSITY PROGRAM(S) |
| | Florida State College of Jacksonville: Workforce certificates in Aircraft Airframe Mechanics, Aircraft Powerplant Mechanics, Aircraft Coating and Corrosion Control Technology. Technical certificate in Air Traffic Control Embry Riddle Aeronautical University: Certificates in Aircraft Dispatcher, Aircraft Maintenance Technician, Part 65 | Florida State College of Jacksonville: Aviation Maintenance Management (A.S.), Aviation Operations (A.S.) St. Johns River State College: "The Blue Gold Connection" with Embry-Riddle Aeronautical University http://www.sjrstate.edu/embry.html Embry Riddle Aeronautical University: Aeronautics (A.S.), Aviation Business Administration (A.S.), Aviation Maintenance (A.S.) | Embry-Riddle Aeronautical University: Aeronautics, Aviation Maintenance, Aviation Business Administration, Aeronautical Science, Aerospace Engineering, Air Traffic Management, Unmanned Aircraft Vehicle Science Jacksonville University: Aviation Management, Aviation Management & Flight Operations |

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| CAREER | Sample Career Specialties | | |
| | Sheet Metal Fabricator, Airframe Mechanic, Avionics Specialist, Aircraft and Powerplant Mechanic, Air Traffic Controller | Air Traffic Controller, Aerospace Accident Investigator, Radar/Navigation Specialist, Aerospace Safety Inspector, Aviations Operations, Aviation Mechanic | Pilot, Aerospace Engineer, Airport Architect, Aviation Medical Examiner, Astronaut, Unmanned Aircraft Pilot, Air Traffic Controller |
| CREDIT | Articulation and CTE Dual Enrollment Opportunities | | |
| | Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded) | Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded) | PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements included here) |
| | N/A | <p>St. Johns River State College: The Blue-Gold Connection with Embry-Riddle Aeronautical University: The Blue-Gold Connection guarantees students entry into more than 20 degree programs, aligning SJR State's associate in arts degree (transfer degree) with Embry-Riddle's programs through a personalized course transfer guide.</p> <p>High school students passing Embry Riddle Aeronautical University Dual Enrollment courses earn 3 college credits for ASC 3471 and ASC 2560 and 5 college credits for ATF 1103 at ERAU.</p> | <p>High school students passing Embry Riddle Aeronautical University Dual Enrollment courses earn 3 college credits for ASC 3471 and ASC 2560 and 5 college credits for ATF 1103 at ERAU.</p> |
| Career and Technical Student Association | | | |
| Florida Technology Student Association (FL-TSA) | | | |
| Internship/Work Experience Recommendations | | | |
| Career Academy students may apply for summer internships after their junior year. Sample internships job titles include: aircraft mechanic assistant, airport administrative assistant, airport concierge, aerospace engineer assistant | | | |
| Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements | | | |