

Academy of Aviation/Aerospace

Career Cluster: Transportation, Distribution & Logistics

Program Strand: Avionics

Students who choose a career in Avionics test, maintain, and produce aviation electronics, including missile-guidance systems, jet engines, and flight-control circuitry.

Secondary Career Academy Development Timetable Academy classes are listed in bold type.

Pre-Academy Grades 6 – 8	Grade 9	Grade 10	Grade 11	Grade 12
6 th grade—Middle Moves 7 th grade—Career Preparation Requirement 8 th grade—Transition Tools	English I	English II	English III	English IV
	Algebra or higher	Geometry or higher	Algebra II or higher	Pre-calculus or Other Mathematics Course
	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science Elective or Other Elective
	World History	Elective	American History	American Government / Economics
	9 th Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
	Electronics 1 8730010	Electronics 3 8730030	Electronics 5 8730050	Electronics 7 8730070
	Electronics 2 8730020	Electronics 4 8730040	Electronics 1 8730060	Electronics 8 8730080
	Physical Education	Elective	Elective	Elective

Suggested Electives:

- Students may in their Junior or Senior year opt to participate in the Career Experience Opportunity (CEO) internship program using the following course numbers: Workplace Essentials – 83003101A (Honors .5) and CEO internship – 0500330CE (Honors .5).
- Students may complete more than one program within the Academy of Aviation/Aerospace providing courses are offered at the school site.
- In addition, students can choose to enroll in Drafting/Illustrative Design Technology or Transportation Technology classes to enhance their marketability.

To find a Miami-Dade County Public High School with this Program Strand, please link to http://ssr.dadeschools.net/acad_tally_schls.pdf

Internship Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> • Internship • Job Shadowing • Portal to CEO 	<ul style="list-style-type: none"> • School-Based Enterprise • Service Learning • Dual Enrollment 	<ul style="list-style-type: none"> • SkillsUSA • Industry Title & FLDOE OCP's correlated to the individual areas. • For more information on the Florida Department of Education Bright Futures Scholarship Programs: Florida Academic Scholars Award (FAS), Florida Medallion Scholars Award (FMS), and Florida Gold Seal Vocational Scholars Award (GSV) please contact a guidance counselor or visit: http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm. • For more information on advanced standing at local public and private post secondary institutions as established per articulation agreements please contact a guidance counselor.

POSTSECONDARY OPTIONS

Certification Programs	Community College (A.A./A.S.) or Proprietary Programs	Four-Year College and University Programs	Other
	<ul style="list-style-type: none"> • Avionics Technician • Miami Dade College 	<ul style="list-style-type: none"> • Electrical Engineering • Electrical Technology • Airport Operations • Aviation engineering • Florida Memorial University • Embry Riddle University • Univ. of Central Florida Mechanical, Materials and Aerospace Engineering 	<ul style="list-style-type: none"> • On the job training

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Avionics Helper • Electronics Assembler • Electronics Equipment Repairer • Electronics Technician 	<ul style="list-style-type: none"> • Avionics Technician • Avionics Planner/Manager • Avionics Inspector • Aviation Engineers

