

Academy of Aviation/Aerospace

Career Cluster: Transportation, Distribution & Logistics

Program Strand: Aviation Maintenance Technology

Students who choose a career in Aviation Maintenance Technology are knowledgeable in all phases of modern motorcycles including reading and interpreting drawings, electronics, hydraulics and pneumatics, sheetmetal, engine performance, and jet propulsion systems related to the aviation industry.

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
	Aviation Maintenance General 1 8715110	Aviation Maintenance General 3 8715130	Aviation Airframe I470612 or Powerplant I470622 Mechanic	Aviation Airframe I470612 or Powerplant I470622 Mechanic
	Aviation Maintenance General 2 8715120	Aviation Maintenance General 4 8715140	Aviation Airframe I470612 or Powerplant I470622 Mechanic	Aviation Airframe I470612 or Powerplant I470622 Mechanic
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
		<ul style="list-style-type: none"> • 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"> • Airframe Technician • Powerplant Technician • George T. Baker Aviation 	<ul style="list-style-type: none"> • Aviation Maintenance • Miami Dade College 	<ul style="list-style-type: none"> • Aviation Maintenance • Aviation Management • Airport Operations • 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"> • Airframe Mechanics Helper • Powerplant Mechanics Helper • Aviation Stock Clerk 	<ul style="list-style-type: none"> • Aviation Maintenance Technician • Aviation Project Planner • Aviation Inspector • Director of Maintenance • Airport Manager

