

MIRAMAR'S AVIATION PROGRAM

The Aviation Science Program is designed to prepare students interested in aviation for a variety of post- secondary programs leading to careers in the industry including

Commercial pilot	Drone pilot
FAA certified mechanic	Aerospace engineer
Air traffic controller	Flight Dispatcher
Airport administration	

Students choose course options that will prepare them for college, post secondary technical programs, or various military careers.

Requirements

Have and maintain a 2.5 GPA
Level 3 or above on FAST ELA and BEST
Mathematics.



For information contact:

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APPLY at: [browardschools.com/schoolchoice](https://www.browardschools.com/schoolchoice)

Miramar's Aviation Program



- **9th Grade Course– Aerospace Technology Honors**
- 10th through 12th Grade – Dual Enrollment (Embry-Riddle Aeronautical University) and/or Career Dual Enrollment (Broward College) courses
- Opportunities for FAA UAS Safety, Drone Pilot, and Private Pilot Certifications
- State-of-the-Art Flight Simulation and Drone technology
- Field trips and guest speakers
- Aviation-related internship and scholarship opportunities
- Priority course scheduling
- Additional opportunities through JROTC, Aviation Club, Patriot Drone Squad, and STEM Club

Embry-Riddle Aeronautical University Dual Enrollment Courses

Course ID#	Course Name	College Credits
AS120/ASC1000	Principles of Aeronautical Science	3
AS220/ASC2560	Unmanned Aircraft Systems	3
SF120/ASC2870	Intro to Aerospace Safety	3
AS254/ASC2310	Aviation Legislation	3
AS235/ASC2562	Unmanned Aircraft Systems & Cross-Country Data Entry	3
AS222/ASC2564	Unmanned Aircraft System Security	3
AS121/ATF1103	Private Pilot Operations	5

Aviation Maintenance

- Can begin as early as 10th grade
- Students complete 12 credits per school year at Broward College
- Students can earn the FAA General, Airframe, and Powerplant Maintenance certifications
- Credits apply toward an A.S. in Aviation Maintenance or a similar degree or technical program



Course ID #	Course Name	College Credits
General		
AMT1751C	Math, Basic Physics, Basic Electricity	3
AMT1752C	Aircraft Drawings, Ground Operations, FAR, Forms & Privileges	3
AMT1753C	Materials & Processes, Fluid Lines & Fittings	3
AMT1754C	Weight & Balance, Cleaning & Corrosion Control	3
Powerplant 1		
AMT1771C	Reciprocating Engines, Engine Instrument	6
AMT1772C	Turbine Engines, Engine Electric & APUs	6
Powerplant 2		
AMT2773C	Engine Inspection, Engine Fuel Systems, Fuel Metering Systems, Ignition Systems	6
AMT2774C	Induction Systems, Lubricating Systems, Engine Cooling & Exhaust, Engine Fire Protection, Propeller & Unducted Fans	6
Airframe 1		
AMT1761C	Sheetmetal & Non-Metallic Structures, Aircraft Covering, Aircraft Finishes	6
AMT1762C	Wood Structures, Welding, Assembly & Rigging, Landing Gear Systems	6
Airframe 2		
AMT2763C	Airframe Inspection, Hydraulic & Pneumatic Sys., Cabin Atmosphere, Aircraft Instrument, Comm/Navigation Systems	6
AMT2764C	Aircraft Fuel Systems, Aircraft Electrical Systems, Position & Warning Systems, Ice Rain & Fire Protection	6