



Miramar High School

Showcase of
Academic
Excellence

MAGNET PROGRAMS OVERVIEW

A diagram consisting of two vertical lines, one on the left and one on the right, each ending in a solid dark blue circle. These circles are positioned below the main title and above the program names, acting as visual anchors for the two columns of information.

INTERNATIONAL BACCALAUREATE

Mr. John Lamb

(754) 323-1382

john.lamb@browardschools.com

AVIATION DUAL ENROLLMENT

Ms. Maria F. Quintero

(754) 323-1372

maria.f.quintero@browardschools.com

TRANSPORTATION

Transportation is available to all students who live at least 2 miles from school and

- South of Griffin Rd for IB
- South of Sunrise Blvd for Aviation

Once accepted, please visit

<https://tfsweb.browardschools.com/Ride>
to request transportation for the upcoming
school year



WHAT IS THE IB PROGRAM AT MIRAMAR?

- The IB Program is considered the top academic preparatory program in the world
- Miramar IB students attend some of the finest universities in the country
- Miramar IB Students have earned an average of \$12 million dollars in scholarship money over the last 10 years
- Miramar IB teachers are recognized at among the best in Broward County



History of IB

The IB Program was founded in 1968 with the goal of providing students with an international education that allowed them to respect and understand their own culture while developing an appreciation, knowledge, empathy and compassion for cultures and societies different from their own.

IB LEARNER PROFILE

The IB Program is developed around the Learner Profile which defines what an IB student is expected to be:

Inquirers
Knowledgeable
Thinkers
Communicators
Principled
Open-Minded
Caring
Risk-Takers
Balanced
Reflective

The IB Program's Mission Statement

- The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.
- To this end the organization works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment.
- These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

IB STUDENTS ARE LIFE LONG LEARNERS

- Miramar IB graduates attend some of the finest universities in the country including; Harvard, Yale, Brown, Princeton, Columbia, Cornell, U. Penn, MIT, UC Berkeley, UCLA, Stanford, Duke, Michigan, NYU, Boston College, Boston U., Swarthmore, Amherst, Williams etc.They also attend all of the fine universities throughout the state of Florida.
- Miramar IB graduates have gone on to study medicine, law, engineering, global science, politics and many other professions.



IB CURRICULUM REQUIREMENTS

CORE



TOK

CAS

EXTENDED
ESSAY

9TH GRADE REQUIREMENTS

| Language A | Language B | Social Studies | Science | Math | Required Elective | Additional Elective | Study Hall |
|------------------|---------------------------|------------------|-----------|------------------------------------|------------------------------|------------------------------|------------|
| Pre IB English 1 | Pre IB Spanish 1, 2, or 3 | AP World History | Biology | Algebra 1 Geometry Algebra 2 | All regular and AP electives | All regular and AP electives | |
| | French 1 | | Chemistry | | | | |

10TH GRADE REQUIREMENTS

| Language A | Language B | Social Studies | Science | Math | Required Elective | Additional Elective | Study Hall |
|-----------------------------------|--------------------|----------------|-----------------|------------------------|------------------------------|------------------------------|------------|
| AP English Language & Composition | Spanish 2, 3, or 4 | AP US History | Chemistry | Geometry & Algebra 2 | All regular and AP electives | All regular and AP electives | |
| | French 2 | | AP Biology | Algebra 2 | | | |
| | | | AP Env. Science | Math Analysis/ Appre 1 | | | |
| | | | | Math Appl/ Interpret 1 | | | |

11TH GRADE REQUIREMENTS

| Language A | Language B | Social Studies | Science | Math | Required Elective | Additional Elective | Study Hall |
|--------------|--------------------|---------------------|-----------------|----------------------------|-------------------|---------------------|------------|
| IB English 3 | Spanish 3, 4, or 5 | IB European History | IB Biology 2 | Math Analysis/ Appre 1 | IB Psychology | TOK 1 | |
| | French 3 | | IB Chemistry 2 | SMath Appl/ Interpret 1 | IB Philosophy | | |
| | | | AP Env. Science | Math Analysis/ Appre 2 | IB Dance | | |
| | | | | SMath Appl/ Interpret 2 | | | |

12TH GRADE REQUIREMENTS

| Language A | Language B | Social Studies | Science | Math | Required Elective | Additional Elective | Study Hall |
|--------------|----------------------|----------------------|----------------|----------------------------|--------------------|---------------------|------------|
| IB English 4 | Spanish 4, 5 or 6 | IB History of Europe | IB Biology 3 | Math Analysis/ Appre 2 | IB Psychology 2 | TOK 2 | |
| | French 4 or 5 | | IB Chemistry 3 | SMath Appl/ Interpret 2 | IB Philosophy 2 | | |
| | | | | | IB Dance | | |

Miramar IB Program Highlights

- Miramar IB students earned an average of over 12 million dollars in scholarship money in the past 5 years.
- IB students averaged 30 college credits earned in high school
- IB teachers at Miramar High School are some of the most qualified and talented in the school district
- The IB program at Miramar is the only IB school in the district with a waiting list

The International Baccalaureate Program is considered the highest level college preparatory program for high school students.

- **The Miramar High School International Baccalaureate Program Offers:**
- Academic Rigor for college preparation
- Comprehensive instruction across all academic disciplines
- International based curriculum with a global focus
- Constant application of critical thinking skills
- Specially trained teachers
- Up to 30 credit hours in the university
- Bright Futures Scholarship
- Access to the finest universities in the country

Requirements

Students must have earned at least a 4 on FSA or EOC Reading and Math

Have and maintain a minimum core GPA of 3.0

MIRAMAR AVIATION MAGNET



OVERVIEW

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, FAA certified mechanic, aviation administration and more. Students choose course options that will prepare them for college, post secondary technical programs, or various military careers. Depending upon the specific area of interest, academic courses are available at all levels of instruction, with students receiving core Aviation courses which include such topics as flight theory, navigation, aerodynamics, history of flight, and meteorology.

Requirements

- 2.5 GPA and 3 or above on FSA and EOC

Benefits

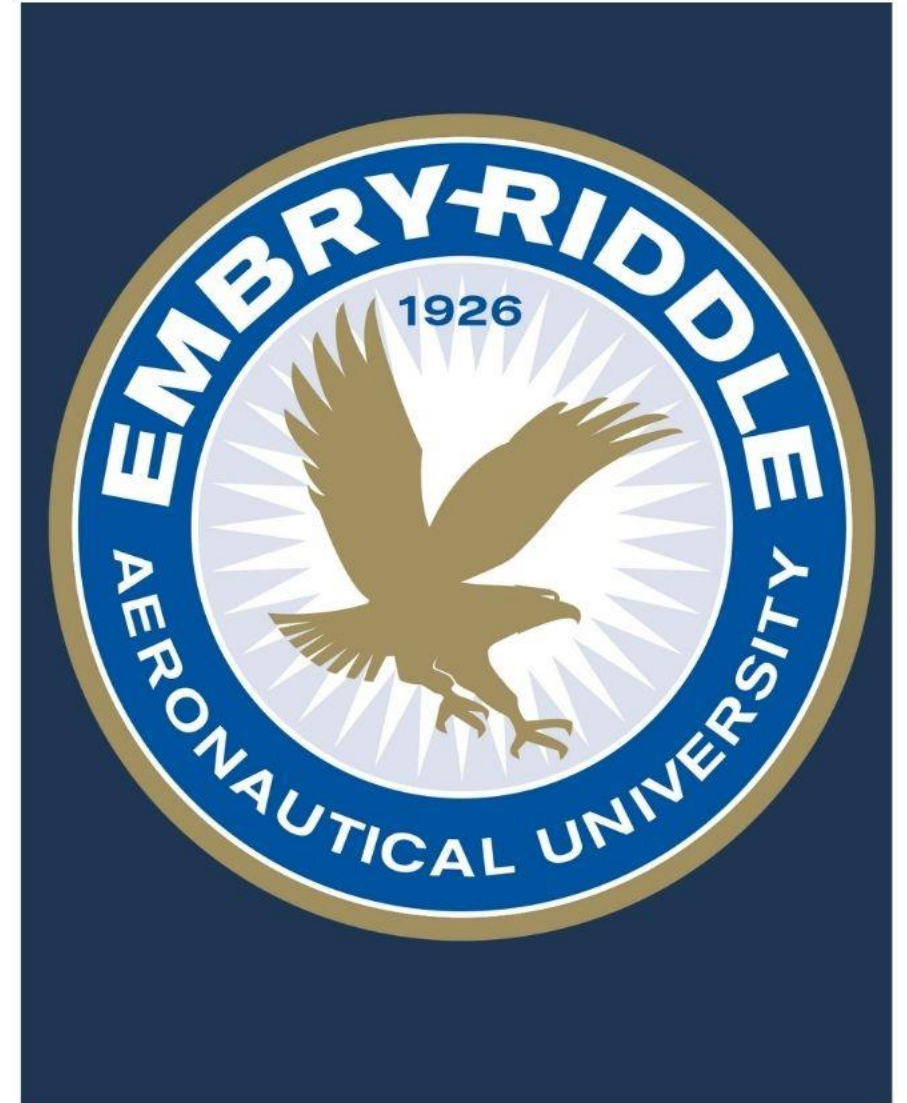
- Private pilot ground school opportunity
- Simulation technology
- Field trips to local aviation organizations
 - Priority course scheduling
 - Extracurricular Activities like Aviation Club
 - College credits

Assessments

- Dual enrollment exams

EMBRY-RIDDLE DUAL ENROLLMENT

| | Fall | Spring |
|------------|---|--|
| 9th Grade | Aerospace Tech 1 | Aerospace Tech 1 |
| 10th Grade | AS120/ASC1000 - Principles of Aero Science (3 Credits) | AS220/ASC2560 - Unmanned Aircraft Systems* (3 Credits) |
| 11th Grade | AS121/ATF1103 - Private Pilot Operations (5 Credits) SF120/ASC2870 - Intro to Aerospace Safety** (3 Credits) | AS121/ATF1103 - Private Pilot Operations (5 Credits) AS254/ASC2310 - Aviation Legislation** (3 Credits) |
| 12th Grade | BA201/MAN2021 - Principles of Management (3 Credits) | BA310/MAN3868 - Airport Management (3 Credits) |



*Must complete AS120/ASC1000 in the Fall

**No prerequisites

Fall 2022 (Term 20231)

| | | |
|--------------------------------------|----------|-----------|
| Aircraft Coverings | AMT1116C | 1 Credit |
| Sheetmetal & Non-Metallic Structures | AMT1131C | 4 Credits |
| Aircraft Finishes | AMT1127C | 1 Credit |

Spring 2023 (Term 20232)

| | | |
|-------------------------------|----------|-----------|
| Wood Structures | AMT1111C | 1 Credit |
| Welding | AMT1141C | 1 Credit |
| Assembly & Rigging | AMT1156C | 2 Credits |
| Aircraft Landing Gear Systems | AMT1201C | 2 Credits |

New students will take:

Fall 2022 (Term 20231)

| | | |
|------------------------------|----------|-----------|
| FARs, Forms, & Privileges | AMT1081C | 1 Credit |
| Mathematics | AMT1070C | 1 Credit |
| Cleaning & Corrosion Control | AMT1060C | 1 Credit |
| Fluid Lines & Fittings | AMT1031C | 1 Credit |
| Materials & Processes | AMT1041C | 2 Credits |

Spring 2023 (Term 20232)

| | | |
|-------------------------------|----------|-----------|
| Aircraft Drawings | AMT1011C | 1 Credit |
| Weight and Balance | AMT1021C | 1 Credit |
| Basic Physics | AMT1090C | 1 Credit |
| Basic Electricity | AMT1001C | 2 Credits |
| Ground Operations & Servicing | AMT1050C | 1 Credit |

AVIATION MAINTENANCE DUAL ENROLLMENT

Upon completion of the program the student can be tested for FAA Airframe and/or Powerplant certification. Also, they can use the certificate completion program as college credits toward an Associate in Applied Science in Aviation Maintenance Management.



HOW TO APPLY



Visit
[browardschools.com/
schoolchoice](https://browardschools.com/schoolchoice)



Complete the application
for your school/program
of choice



Check your email
periodically and accept
your seat

MAGNET APPLICATION WINDOW

DECEMBER 1, 2022 - FEBRUARY 6, 2023



DUAL ENROLLMENT

The Dual Enrollment Program is an accelerated program that allows eligible public/charter, private and home school secondary students to take postsecondary coursework and simultaneously earn both high school and college credits, saving both time and money! Dual Enrollment students are exempt from the payment of application fees, tuition and laboratory fees.

REQUIREMENTS & BENEFITS

- 3.0 GPA (2.5 for Aviation students)
- College scores for PERT, SAT or ACT
- No application, registration, tuition, and lab fees
 - College credits
 - Online courses
- Class schedule flexibility
 - Early Admission status
 - Assessments
- Dual Enrollment Course midterm and final exams



CAREER, TECHNICAL, ADULT, & COMMUNITY EDUCATION

Why CTE?

- Graduate College and Career Ready!
- Today's economy demands a better educated workforce than ever before, and jobs in this new economy require more complex knowledge and skills than the jobs of the past

Benefits

- Industry Certifications
- Real World Experiences
- Graduate College and Career Ready

CAPE SCHOLARSHIP OPPORTUNITIES

COLLEGE SCHOLARSHIPS

Florida Gold Seal Vocational Scholars (GSV)

Funds 2-year programs:
Technical College certificate
or
State College degree

The Florida Gold Seal Vocational Scholars (GSV) can be used to fund a career education or certificate program at a Technical or State College.

To earn this scholarship students must:

- Complete 3 credits within a single pathway
- 3.0 weighted core GPA
- 3.5 unweighted GPA in the pathway courses
- Minimum college ACT, SAT, or PERT scores

Click here to see the full eligibility requirements:

www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf

Florida Gold Seal CAPE Scholars (GSC)

2-year program at Technical
College or State college
EST. VALUE \$6,293

2 year BS program at a
Florida University
EST. VALUE \$12,763

The Florida Gold Seal CAPE Scholars award (GSC) can be used to fund a career education or certificate program.

To earn this scholarship students must:

- Pass Industry Certification exam(s) equaling 5 or more college credits
- Document a minimum of 30 service hours

Click here to see the full GSC eligibility requirements:

www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf

Click here to see Industry Certification awarded college credits:

<http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml>