MAST Academy

3979 Rickenbacker Causeway, Miami, FL 33149 • 305.365.6278 • Fax 305.361.0996
www.gomakos.org • CEEB/ACT Code 101161 • School Profile 2026-2027

School Background

Established in September 1991, MAST Academy is the only maritime and science technology magnet high school in the Miami-Dade County Public School system. The school graduated its 33rd senior class in 2026. The school is staffed by a principal, three assistant principals, one lead teacher, and 88 full time faculty members of whom approximately 52 percent have a master's degree or higher. The senior class of 2027 consists of 266 seniors.

MAST has over 1,600 students in grades 6-12. Students graduate with a full range of honors, AP, Cambridge (AICE) and Dual Enrollment courses. The school includes two large classroom buildings, a pool, boathouse, docks, fitness center, and a newly remodeled media center with access to both print and non-print resources. Students have immediate access to technology throughout the school. MAST is proud to offer the Duke of Edinburgh International Award Program to our students.

Accreditation and Membership

MAST Academy is fully accredited by AdvanceEd.

School Recognitions

Magnet Schools of America Top Performing Magnet School of Excellence, 2024, 2025
Magnet Schools of America, Distinction and Excellence Awards, 2013 – 2026
Florida Department of Education, Recognition as "A" School 2001-2002, 2004-2026
STEM Gold School Designation, 2023-2026
Magnet Schools of America Theme-Based Innovation Award, 2024
Magnet Schools of America Demonstration School, 2019, 2023
US Department of Education Green Ribbon School, 2019
Washington Post, Best High Schools list, 2008-2018
Newsweek, Top 100 High Schools in the U.S., 2009-2017
State of Florida High-Performing School, 1999-2019
US News and World Report, Top High Schools List, 2008-2019
United States Department of Education Blue Ribbon School, 1994-1996, 2006

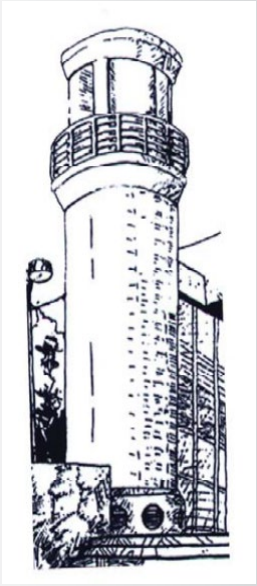
Graduation Requirements

Thirty credits are required for graduation, and the student must earn 28 of these credits in grades 9-12. In addition to the total credit requirement, specific subject requirements are:

	Maritime	Cambridge STEM	Cambridge Global
English	4.5 credits	4 credits	4 credits
Social Sciences	3.5 credits	3 credits	4 credits
Mathematics	5 credits 6	5 credits	5 credits
Science	credits	6 credits	5 credits
World Language	2 credits (Spanish, French, Italian)		4 credits or AP or AS Level Course
Fine Arts Physical	1 credit	1 credit	1 credit
Education	1 credit 9	1 credit	1 credit
Academic Electives	credits 30	9 credits	9 credits
TOTAL	credits	30 credits	30 credits

Programs

All students attending MAST Academy are part of one of three highly acclaimed, academically rigorous Magnet programs with distinct curriculums. The Maritime and Science Technology program weaves maritime studies throughout a student's high school career culminating in an internship experience with local businesses, research institutions, or government offices. Students in the school's Cambridge STEM and Global programs pursue a Cambridge Diploma. Advanced coursework in their discipline, STEM competitions, and language study are the norm for our burgeoning global citizens.



Principal
Dr. Michael Gould
gouldm@dadeschools.net

Assistant Principal
Dr. Erika Pell
epell16@dadeschools.net

Assistant Principal
Samuel Johnson
samuel_johnson3@dadeschools.net

Assistant Principal
Jorge Sanchez
jorgesanchez@dadeschools.net

Lead Teacher
Melissa Fernandez
249191@dadeschools.net

College Advisor
Dr. Cristina Delgado-Ruiz
cdelgado@dadeschools.net

High School Counselor
Karla Cortes
kcortes@dadeschools.net

Mission

Maritime and Science Technology Academy focuses on diversity, environmental awareness, and technology. Our school incorporates a thematic and inquiry-based approach, problem-solving, and experiential learning to provide students with opportunities for life-long learning which impacts the global community.

Grading System

A = 4 points B = 3 points C = 2 points D = 1 point F = 0 points

AP, AICE (A-level and AS level), and Dual Enrollment courses earn two bonus points and honors and Pre-AICE earn one bonus point.

Miami-Dade County Public Schools weighs Cambridge AICE level courses (AS) the same as Advanced Placement (AP) courses and Pre-AICE courses the same as Honors courses.

Specific class rankings and percentage rankings are not provided for graduates. Transcripts will provide student course histories, M-DCPS GPA Calculations, and in some cases test scores. DE, AP, AS and A level courses are taught at the same level of academic rigor but access to specific individual courses may be determined by the student's magnet program.

Scholastic Aptitude Test (SAT) Performance 2024-2025

	State	MAST Academy
ERW Score	580	620
Math Score	560	622
Total	1140	1242

ACT Performance 2024-2025

	State	MAST Academy
Composite	19.4	26.8

Internships

MAST Academy requires students to get a head start on career options by taking advantage of internship placements throughout the community. Internship placement opportunities have included Cape Florida, Department of Environmental Resource Management, Florida International University, National Oceanic and Atmospheric Administration (NOAA), the Port of Miami, Royal Caribbean Cruise Lines, Southeast Fisheries, United States Coast Guard, University of Miami Rosenstiel School of Marine and Atmospheric Science, The *Miami Herald*, quality hotels and restaurants, hospitals, marinas, and various research agencies.

Student Body

The school's ethnic breakdown is 72% Hispanic, 2% Black, 24% White Non-Hispanic, 2% Asian. The Class of 2026 included 1 Presidential Scholar, 2 National Merit Scholarship winners, 5 National Merit Finalist, 3 Stamps Scholars, 1 Quest Bridge and 2 Posse Scholars.

AICE (Cambridge, AS and A Level)

Biology AS & A, Chemistry AS & A, English Language AS, English Literature AS & A, Environmental Management AS, French AS & A, Global Perspectives and Research, History AS & A, Marine Science AS & A, Media Studies AS & A, Psychology AS, Spanish A, Geography AS

Advanced Placement (AP) Program

Biology, Calculus AB, Calculus BC, Cybersecurity, Chemistry, Computer Science, Computer Science Principles, Environmental Science, European History, Human Geography, Italian Language, English Language & Composition, English Literature & Composition, Networking, Physics C: Electricity & Magnetism, Physics C: Mechanics, Spanish Language, Spanish Literature, Statistics, US Government, US History, World History

Dual Enrollment

Introduction to Literature, Modern American History, World Literature 1, Writing & Rhetoric 2, Frontiers of AI, Introduction to Computer Technology & Applications, Principles of Business

College and University Enrollment

American University
Amherst College
Auburn University
Babson College
Baylor University
Boston College
Boston University
Brandeis University
Brown University
Bucknell University
Catholic University
Carnegie Mellon University
Clemson University
Colgate University
College of Charleston
College of William & Mary
Columbia University
Cooper Union
Cornell University
Dartmouth University
Davidson College
Duke University
Embry-Riddle Aeronautical University
Emerson College
Emmanuel College
Emory University
Florida International University
Florida State University
Fordham University
George Washington University
Georgia Tech University
Hamilton College
Harvard College
Hawaii Pacific University
High Point University
Indiana University
Ithaca College
John Hopkins University
Lesley University
Loyola University, Maryland
Loyola University, New Orleans
Macalester College
Massachusetts Institute of Technology
Miami-Dade College Honors
Mount Holyoke
New College of Florida
New York University
Northeastern University
Northwestern University
Pennsylvania State
Purdue University
Santa Fe College
Savannah College of Arts and Science
Spelman College
Stanford University
Stony Brook University
Syracuse University
The New School
Tufts University
Tulane University
University of California Berkley
University of California Los Angeles
University of Chicago
University of Colorado Boulder University of Florida
University of Miami
University of Michigan
University of North Carolina at Chapel Hill
University of Southern California
University of South Florida
University of Texas at Austin
University of Vermont
U.S. Coast Guard Academy
U.S. Naval Academy
Vassar College
Worcester Polytechnic Institute
Williams College
Yale University
and schools throughout the Florida state university system