

SCHOOL CONCEPT

The school was established in 2013 by Mr. Alberto Carvalho, Superintendent, Miami-Dade County Public Schools and Dr. Mark Rosenberg, President, Florida International University. The goal behind the inception of the school was to create the first blended high school university experience in South Florida for future generations of students and scholars who are interested in careers in Science, Technology, Engineering, and Mathematics (STEM).

For more information contact:
Dr. Matthew J. Welker, Principal
MAST@FIU, Biscayne Bay Campus
3000 N.E. 151 Street, AC1 395
North Miami, FL 33181

E-Mail: mwelker@dadeschools.net
Phone: 305-919-4451
Fax: 305-919-5215



CIVIL RIGHTS COMPLIANCE

The Board will enforce its prohibition against discrimination/harassment based on sex, race, color, ethnic or national origin, religion, marital status, disability, age, political beliefs, sexual orientation, gender, gender identification, social and family background, linguistic preference, pregnancy, and any other basis prohibited by law. The Board shall maintain an educational and work environment free from all forms of discrimination/harassment, which includes Title IX of the Education Amendments of 1972. Please refer to <http://www.dadeschools.net/schoolboard/rules/> for more information.

Questions, complaints or requests for additional information regarding discrimination or harassment may be sent to: Executive Director, Civil Rights Compliance Office, 155 N.E. 15th Street, Suite 104E, Miami, Florida 33132, PH: 305-995-1580. Please visit <http://crc.dadeschools.net/contact.asp> for additional contact information. The District also provides equal access to its facilities to the Boy Scouts and other patriotic youth groups, as required by the Boy Scouts of America Equal Access Act.

MAST@FIU

Biscayne Bay Campus

Visit us at <http://mastfiu.dadeschools.net>

MARINE ACADEMY OF SCIENCE AND TECHNOLOGY FLORIDA INTERNATIONAL UNIVERSITY MAST@FIU



MISSION OF MAST@FIU

To provide students with first-rate advanced academics and early career experiences in a university based, technology-rich environment.



Marine Academy of Science and Technology (MAST) at Florida International University (FIU)

About the MAST@FIU BBC

The Marine Academy of Science and Technology at the Biscayne Bay Campus of Florida International University (MAST@FIU BBC) is a Science, Technology, Engineering, Mathematics (STEM) focused public high school that will enable students to complete their first two years of university course work at no cost. We are the only university-based public high school in Florida. The school is the result of a unique public partnership between Miami-Dade County Public Schools and Florida International University.

The MAST@FIU BBC is widely recognized for its innovative pedagogy and commitment to applied research and community involvement. With the unique laboratory of transformation teaching and learning, the faculty and staff accentuate intellectual curiosity, multidisciplinary connections, critical thinking, problem-solving and global awareness. MAST students are mentored to become future leaders through a structured emphasis on integrity, the love of learning, global citizenship and excellence in all endeavors.

Science, Technology, Engineering, Mathematics (STEM)

The overall curriculum focus of the MAST@FIU BBC is marine science, environmental science and biology. However, inherent within that viewpoint is an instructional framework that is constructed around the interdisciplinary relationship that the faculty forms using Science, Technology, Engineering and Mathematics (STEM). The curriculum, which includes Honors, Advanced Placement and Dual Enrollment courses, is relevant, rigorous and advanced. Courses that are designated as Honors follow the curriculum prescribed by the course credit. It is awarded on the basis of academic grades and performance on an end of course examination.

Biscayne Bay Campus (BBC)

The MAST@FIU Biscayne Bay Campus is a branch campus of FIU. It is the largest branch campus in Florida's State University System. Encompassing nearly 200 acres, the scenic campus offers direct access to the bay, apartment-style housing, a library, an aquatic center, a conference center and a ropes course. FIU's school of Hospitality and Tourism Management, Marine Biology, and Journalism and Mass Communication are headquartered at BBC. The BBC offers numerous undergraduate majors and selected graduate degrees in Arts and Sciences.

Advanced Placement & Dual Enrollment

Courses designated as Advanced Placement (AP) and Dual Enrollment (DE) are eligible for college credit and are paid for by the school district. AP courses are available in all grades and subject areas. College Board examinations are required in every AP course and are the basis for awarding college credit. Students must also earn a passing grade of "C" or better to receive high school credit for an AP course. Dual Enrollment courses are available to students in grades 11 and 12 and are offered on a semester basis.

Interdisciplinary Education

All courses are interdisciplinary in nature and require extensive reading and writing. Students have the opportunity to complete most of their required high school coursework in two years. During this time, students are able to select a specific STEM program of study. Students in grades 11 and 12 may select from a variety of AP and DE courses that focus on each student's program of study. University-based research and internship opportunities are available to students in twelfth grade to further refine each student's career interest area.