

Program Strand: Pre-Med Science

Students who choose a career in the Pre-Med Sciences can direct school, college, professional and organizational programs as well as allied fields of study. These opportunities include the technological applications to those fields of study and hands on programs.

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 Prep Requirement 8 th grade-Transition Tools Orientation to Health Occupations 840011011 Exploration of Health Occupations 840021011	English I	English II	English III	English IV
	Algebra (or higher)	Geometry (or higher)	Algebra II (or higher)	Pre-Calculus (other)
	Biology	Chemistry	Physics (or AP Chemistry)	AP Chemistry (or Physics)
	World History	Anatomy and Physiology	American History	American Government and Economics
	9 th Grade Transition	Foreign Language	Foreign Language	Science Elective
	Anatomy and Physiology 200035001	AP Biology 200034001	Forensic Science 1 200248001	AP Physics B 200341001
	Elective	Elective	Elective	Elective
	Elective	Elective	Elective	Elective

Suggested Electives:

- Biology needs to be completed in the 9th grade. Science electives are expected to be AP level courses, although Genetics, Botany, Zoology, and Nuclear Radiation should be considered. If Earth & Space Science credit was not awarded in Middle School, it needs to be taken in 10th grade.
- 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 Health Science & Medicine providing courses are offered at the school site.
- In addition, students can choose to enroll in Science 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 & Career Opportunities	Student Clubs/Organizations	Earn Upon Completion
<ul style="list-style-type: none"> • Internships • Cooperative Education • Job Shadowing • Service Learning • Portal to CEO • Dual Enrollment • Talented 20 • FACTS.org • Portal to CEO • Florida Choices Planner 	<ul style="list-style-type: none"> • Science Honors Society • InvenTeams 	<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.

Post-Secondary Options

Local and National Programs*	Community College or Proprietary Programs*	Four-Year College and University Programs*
<ul style="list-style-type: none"> • Jackson Health System • Mt. Sinai Medical Center 	<ul style="list-style-type: none"> • Miami Dade College • Florida Southern College 	<ul style="list-style-type: none"> • University of Miami • University of Florida • Florida International University • Florida Atlantic University • Barry University • Florida State University

Career Options

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Physician Assistant • Dental Assistant • Health Services related • Veterinary Assistant 	<ul style="list-style-type: none"> • Pharmacy • Biochemist • Surgeon • Biologist • Neuroscientist • Physician • Geneticist • Gynecologist • Pediatrician • Radiology