

Program Strand: Animal Science and Services

Students who choose a career in Animal Science and Services utilize animal biology to discover and disseminate new knowledge about the biology and management of domestic animals. They apply this knowledge to benefit society through the efficient, humane, and environmentally responsible use of animals for food, companionship, and recreation.

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 Preparation Requirement 8 th grade—Transition Tools Introduction to Agriscience 810012002 Orientation to Agriscience 810011011 Exploration of Agriscience 810021002	English I	English II	English III	English IV
	Algebra or higher	Geometry or higher	Algebra II or higher	Pre-calculus or Other Mathematics Course
	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science Elective or Other Elective
	World History	Elective	American History	American Government / Economics
	9 th Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
	<i>Agriscience Foundations 8106810</i>	<i>Animal Science and Services 2 8106210</i>	<i>Animal Science and Services 3 8106220</i>	<i>Advanced Concepts of Agriscience 8100330</i>
	Elective	Elective	Elective	Elective
	Elective	Elective	Elective	Elective

Suggested Electives:

- 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 Veterinary Science providing courses are offered at the school site.
- In addition, students can choose to enroll in Advanced Concepts of Agriscience, Agricultural Education Directed Study, Agricultural Education Directed Study, A.P. Environmental 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 Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> • Scientific Research Internship (Univ of Fl. Tropical Research Education Center: USDA Chapman Field Research Facility) • Local Veterinary Offices 	<ul style="list-style-type: none"> • School-Based Enterprise • Service Learning • Dual Enrollment (MDC, FIU) • Cooperative Education • Job Shadowing • Portal to CEO 	<ul style="list-style-type: none"> • The National FFA Organization • Miami-Dade County Fair & Exposition Agriculture Ambassadors Program • United States Department of Agriculture – Ambassador Program • 4-H Club
		<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.

POSTSECONDARY OPTIONS

Certification Programs	Community College (A.A./A.S.) or Proprietary Programs	Four-Year College and University Programs
<ul style="list-style-type: none"> • Assistant Laboratory Animal Technician • Laboratory Animal Technician • Laboratory Animal Technologist • American Association for Laboratory Animal Science Certification • American Association for Laboratory Animal Science Certifications 	<ul style="list-style-type: none"> • Animal Science • Veterinary Technician • Animal Science: Equine • Journalism (Livestock Publications) • Abraham Baldwin Agricultural College Animal Science Program • Santa Fe Community College Zoology Program • Miami Dade College Agricultural Programs 	<ul style="list-style-type: none"> • Animal Science and Management • Entomology • Pre-Veterinary Science • Animal Production/Management • Veterinary Technologist • Animal Industries <p> University of Florida College of Agricultural and Life Sciences Florida Agricultural and Mechanical University Agricultural Programs </p>

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Veterinary Technician • Animal Breeder • Animal Caretaker • Veterinary Technologist 	<ul style="list-style-type: none"> • Veterinary Assistant • Independent Business Owner • Animal Technician • Kennel attendants
	<ul style="list-style-type: none"> • Veterinarian • USDA APHIS (Animal Inspector) • Wildlife Specialist • Food Research and Development • Meat Production Supervisor • Food Industry Quality Control
	<ul style="list-style-type: none"> • Animal Control Officer • Animal Agribusiness • Animal Scientist • Veterinary Pharmaceuticals

