

Academy of Agriculture Technology

Career Cluster: Agriculture, Food & Natural Resources

Program Strand: Agritechnology

Students who choose a career in Agritechnology will learn all elements of the agriculture industry; planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety and environmental issues; as they relate to the production of food.

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
	Agriscience Foundations 1 8106810	Agritechnology 1 8106820	Agritechnology 2 8106830	Advanced Concepts of Agriscience 8100330
	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 Agriculture Technology providing courses are offered at the school site.
- In addition, students can choose to enroll in Agricultural Education Directed Study, AP Environmental Science, and Botany 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 Internships (U of FI Tropical Research Education Center; USDA Chapman Field Research Facility)Job ShadowingPortal to CEO	<ul style="list-style-type: none">School-Based EnterpriseService LearningDual EnrollmentFIU Environmental & Computer Sciences – AgroEcology Dept.Cooperative Education	<ul style="list-style-type: none">The National FFA OrganizationMiami-Dade County Fair & Exposition Agriculture Ambassadors ProgramUnited States Department of Agriculture – Ambassador Program4-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.htmFor 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">American Biofuels Council	<ul style="list-style-type: none">Irrigation ManagementLandscape TechnologyAgricultural Operations ManagementGovernment Affairs CoordinationLake City Community College Agricultural ProgramsSanta Fe Community College Biotechnology ProgramMiami Dade College Agricultural Programs	<ul style="list-style-type: none">Agricultural & Biological SciencesAgricultural Education & CommunicationBotanyEntomology & NematologyEnvironmental Management in AgricultureFood & Resource EconomicsFood Science & Human NutritionNatural Resource ConservationPackaging Science	<ul style="list-style-type: none">University of Florida College of Agricultural and Life SciencesFlorida Agricultural and Mechanical University Agricultural ProgramsUniversity of Central Florida Biotechnology

CAREER OPTIONS

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Entry Level		After Post-Secondary Education	
<ul style="list-style-type: none">• Plant Propagator• Fish Farm Worker• Poultry & Egg Operation Worker• Greenhouse Assistants	<ul style="list-style-type: none">• Independent Business Owner• Food Processing Technician• Quality Assurance Specialist• Waste Management Specialist	<ul style="list-style-type: none">• Precision Agricultural Specialist• Production Supervisor• Sales and Marketing Representative• Farm Manager	<ul style="list-style-type: none">• Distribution Manager• Economic Analyst• Farm manager• Insurance Representative• Marketing Specialist