

# Academy of Agriculture Technology

## Career Cluster: Agriculture, Food & Natural Resources

### Program Strand: Sports and Recreational Turf Operations

Students who choose a career in Sports and Recreational Turf Operations are responsible for the production, maintenance, quality, and performance of turfgrass for areas such as golf courses, home lawns, athletic fields, commercial lawns, parks, recreation areas, sod farms, and other areas where turfgrass is utilized. Turfgrass management involves the science and business of utilizing turfgrass in primarily recreational settings.

#### 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
	English I	English II	English III	English IV
6 <sup>th</sup> grade—Middle Moves	Algebra or higher	Geometry or higher	Algebra II or higher	Pre-calculus or Other Mathematics Course
7 <sup>th</sup> grade—Career Preparation Requirement	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science Elective or Other Elective
8 <sup>th</sup> grade—Transition Tools	World History	Elective	American History	American Government / Economics
Introduction to Agriscience 810012002	9 <sup>th</sup> Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
Orientation to Agriscience 810011011	<b>Agriscience Foundations 1</b> <b>810681002</b>	<b>Introductory Horticulture 2</b> <b>812151001</b>	<b>Horticulture Science 3</b> <b>812152001</b>	<b>Advanced Concepts of Agriscience</b> <b>810033002 (LH)</b>
Exploration of Agriscience 810021002	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 Advanced Concepts of Agriscience, Agricultural Education Directed Study, AP Environmental Science, Botany, Computer-Aided Design 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](http://ssr.dadeschools.net/acad_tally_schls.pdf).

Internship Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> <li>• Scientific Research Internship U of F Tropical Research Education Center;</li> <li>• USDA Chapman Field Research Facility</li> <li>• FIU Environmental &amp; Computer Sciences – AgroEcology Dept.</li> </ul>	<ul style="list-style-type: none"> <li>• School-Based Enterprise</li> <li>• Service Learning</li> <li>• Dual Enrollment (MDC, FIU)</li> <li>• Cooperative Education</li> <li>• Job Shadowing</li> <li>• <a href="#">Portal to CEO</a></li> </ul>	<ul style="list-style-type: none"> <li>• The National FFA Organization</li> <li>• Miami-Dade County Fair &amp; Exposition Agriculture Ambassadors Program</li> <li>• United States Department of Agriculture – Ambassador Program</li> <li>• 4-H Club</li> </ul>
		<ul style="list-style-type: none"> <li>• Industry Title &amp; FLDOE OCP's correlated to the individual areas.</li> <li>• 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: <a href="http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm">http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm</a>.</li> <li>• For more information on advanced standing at local public and private post secondary institutions as established per articulation agreements please contact a guidance counselor.</li> </ul>

#### 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"> <li>• Pesticide Certification</li> <li>• The Professional Grounds Management Society Certification</li> <li>• Certified Landscape Professional</li> <li>• Certified Landscape Technician</li> <li>• Certified Turfgrass Professional</li> <li>• Horticulture: Greenhouse Management</li> <li>• Horticulture: Landscaping Management</li> <li>• <a href="#">FNGLA Certifications</a></li> </ul>	<ul style="list-style-type: none"> <li>• Horticultural Science</li> <li>• Applied Science: Landscape Management</li> <li>• Landscape and Nursery Technology</li> <li>• Golf Course Grounds Management</li> <li>• <a href="#">Lake City Community College Agricultural Programs</a></li> <li>• <a href="#">Miami Dade College Agricultural Programs</a></li> </ul>	<ul style="list-style-type: none"> <li>• Turf Grass Science</li> <li>• Turf Grass Management</li> <li>• Botany</li> <li>• General Agriculture</li> <li>• Plant Industries Management/Horticulture Plant Pathologist</li> <li>• Golf Facilities and Turf Systems Management</li> </ul> <p><a href="#">University of Florida College of Agricultural and Life Sciences</a></p> <p><a href="#">Florida Agricultural and Mechanical University Agricultural Programs</a></p>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Nursery Worker</li> <li>• Greenhouse Worker</li> <li>• Turf Maintenance Worker</li> <li>• Independent Business Owner</li> <li>• Tree Trimmer/Pruner</li> </ul>	<ul style="list-style-type: none"> <li>• Independent Business Owner</li> <li>• Sod Grower</li> <li>• Seed Producer</li> <li>• Botanical Gardens Superintendent</li> <li>• Nursery Manager</li> <li>• Athletic Facility Director</li> <li>• Landscape Manager</li> <li>• Parks and Recreation Managers</li> <li>• Golf Course Superintendent</li> <li>• Professional Service Coordinator</li> <li>• Sales Representative</li> <li>• Residential Complex Managers</li> <li>• Landscape Contractors</li> </ul>