

# Academy of Agriculture Technology

## Career Cluster: Agriculture, Food & Natural Resources

### Program Strand: Landscape Design Architecture

Students who choose a career in Landscape and Design Architecture plan and design land areas for such projects as parks, other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.

#### 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 <sup>th</sup> grade—Middle Moves 7 <sup>th</sup> grade—Career Preparation Requirement 8 <sup>th</sup> 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 <sup>th</sup> Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
	<b><i>Agriscience Foundations 1</i></b> <b><i>810681002</i></b>	<b><i>Introductory Horticulture 2</i></b> <b><i>812151001</i></b>	<b><i>Introductory Horticulture 3</i></b> <b><i>812152001</i></b>	<b><i>Advanced Concepts of Agriscience</i></b> <b><i>810033002 (LH)</i></b>
	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 (Uof F Tropical Research Education Center;</li> <li>• USDA Chapman Field Research Facility, FIU Environmental &amp; Computer Sciences – AgroEcology Dept.</li> <li>• School-Based Enterprise</li> <li>• Service Learning</li> <li>• Dual Enrollment</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>• Florida Nursery, Growers, and Landscapers Association</li> <li>• <a href="#">FNGLA Certifications</a></li> </ul>	<ul style="list-style-type: none"> <li>• Horticultural Science</li> <li>• Grounds Keeper</li> <li>• Floral Design</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>• Agricultural Engineering</li> <li>• Landscape Architecture</li> <li>• Environmental Design</li> <li>• Environmental Engineering</li> <li>• <a href="#">University of Florida College of Agricultural and Life Sciences</a></li> <li>• <a href="#">Florida Agricultural and Mechanical University Agricultural Programs</a></li> </ul>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Plant Propagator</li> <li>• Greenhouse Worker</li> <li>• Floral Designer</li> <li>• Independent Business Owner</li> <li>• Nursery Worker</li> </ul>	<ul style="list-style-type: none"> <li>• Surveyor</li> <li>• Landscape Architect</li> <li>• U.S. Forest Service</li> <li>• Urban and Regional Planner</li> <li>• Independent Business Owner</li> <li>• U.S. Army Corps of Engineers,</li> <li>• Green House / Nursery Manager</li> <li>• Environmental Engineer</li> <li>• Agricultural Engineer</li> </ul>