

Academy of Architecture & Construction

Career Cluster: Architecture & Construction

Program Strand: Architectural Drafting

Students who choose a career in Architectural Drafting draw architectural and structural features of buildings and other structures. They may specialize in a type of structure, such as residential or commercial, or in a kind of material used, such as reinforced concrete, masonry, steel, or timber.

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	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
	Drafting 1 872501003	Drafting 3 872503003	Architectural Drafting 5 872545001	Architectural Drafting 7 872547001
	Drafting 2 872502003	Drafting 4 872504003	Architectural Drafting 6 872546001	Architectural Drafting 8 872548001
	Elective	Elective	Elective	Industrial Cooperative Education (I.C.E.)

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 Architecture and Construction providing courses are offered at the school site.
- In addition, students can choose to enroll in Materials and Processes Technology, Drafting/Illustrative Design, Architecture Design, or Construction Technology 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"> • Internship • Job Shadowing • School-Based Enterprise • Service Learning • Dual Enrollment • Portal to CEO 	<ul style="list-style-type: none"> • SkillsUSA 	<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 Program Scholarship or Vocation Gold Seal Scholars Award 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 contact a guidance counselor.

POSTSECONDARY OPTIONS

Certification Programs	Community College (A.A./A.S.) or Proprietary Programs	Four-Year College and University Programs	Other
<ul style="list-style-type: none"> • Drafting • Robert Morgan Educational Center • Miami Lakes Educational Center 	<ul style="list-style-type: none"> • Architectural Drafting • Civil Technology • Drafting Technology • Architectural Technology • Miami Lakes Educational Center • Miami Dade College • Robert Morgan Educational Center • Broward Community College • ITT Technical Institute 	<ul style="list-style-type: none"> • Architectural Technology • Architecture • Engineering • Mathematics • Univ. of Florida College of Design, Construction and Planning • Florida Atlantic University • Florida International University • Florida State University • University of South Florida 	<ul style="list-style-type: none"> • On the job training • Military Training • Technical School

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Blueprint Reader • Drafting Assistant • Structural Engineering Design Drafter • Cartographic Design Drafter 	<ul style="list-style-type: none"> • Architectural Drafter • Architect • Structural Engineer

