

Academy of Architecture & Construction

Career Cluster: Architecture & Construction

Program Strand: Construction Technology

Students who choose a career in Construction Technology are knowledgeable in all phases of modern construction including reading and interpreting drawings, masonry, carpentry, installing utilities, and computer applications related to the construction industry.

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 MJ Wheel 8600020015 Introduction to Technology 860001001 Exploring Technology 860002012 Exploration of Production Technology 860005001	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
	Construction Technology 1 860071001	Construction Technology 2 860072001	Construction Technology 3 860073001 (H)	Advanced Technology Applications 860190001 (H)
	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 Architecture and Construction providing courses are offered at the school site.
- In addition, students can choose to enroll in Drafting/Illustrative Design Technology 1-3 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 • Cooperative Education • Job Shadowing • School-Based Enterprise • Service Learning • Dual Enrollment • Portal to CEO 	<ul style="list-style-type: none"> • Technology Student Association (TSA) 	<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"> • Carpentry • Journeyman Electrical • Journeyman Masonry • Building Construction Technician • D. A. Dorsey Vocational Center • Robert Morgan Educational Center • Wm. Turner Technical Arts Center 	<ul style="list-style-type: none"> • Associate Of Applied Science In Construction Technology • Miami Dade College • D. A. Dorsey Vocational Center • Robert Morgan Educational Center • Wm. Turner Technical Arts Center 	<ul style="list-style-type: none"> • Bachelor of Science in Civil Engineering • Bachelor of Science in Construction Management • Masters of Science in Mechanical Engineering 	<ul style="list-style-type: none"> • FIU Department of Construction Management • Univ. of North Florida Building Construction Management Dept. • Univ. of Florida College of Design, Construction and Planning

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Construction Warehouse Assistant • Block Masonry Apprentice • Drywall Installer 	<ul style="list-style-type: none"> • Skilled Trades Helper Carpentry, Plumbing, Roofing • Building Maintenance Helper • Master Carpenter • Master Electrical Journeyman • Specialty Trade Contractor or Business Owner • Civil Engineer • Industrial Engineer • Residential / Commercial Site Developer