

Academy of Architecture & Construction

Career Cluster: Architecture & Construction

Program Strand: Building Construction Technology

Students who choose a career in Building 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 building 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	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
	Building Construction Technology 1 872031001	Building Construction Technology 3 872033001	Building Construction Technology 5 872035001	Building Construction Technology 7 872037001
	Building Construction Technology 2 872032001	Building Construction Technology 4 872034001	Building Construction Technology 6 872036001	Industrial Cooperative Education (I.C.E.)
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, 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 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 • Electrical • Refrigerant • Plumbing • Masonry 	<ul style="list-style-type: none"> • Associate Of Applied Science In Construction Technology 	<ul style="list-style-type: none"> • Building and Property Maintenance and Management • 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"> • Carpenter's Helper • Electrical Helper • Electrical Wiring Helper • Air-conditioning Helper • Drywall Helper • Plumbing Helper • Masonry Helper • Insulation Helper • Plastering Helper • Roofer Helper 	<ul style="list-style-type: none"> • Building Manager • Property Manager • Carpenter • Drywall Installer • Plasterer • Insulation Installer • Roofer