

Academy of Architecture & Construction

Career Cluster: Architecture & Construction

Program Strand: Masonry

Students who choose a career in Masonry are precise and have artistic skill. Masons work with a variety of building materials including brick, concrete and glass block, tiles, terra cotta and stone. Work ranges from laying a wall to constructing ornate exteriors or high-rise buildings of various materials. The work involves the use of hand tools, power tools, and material moving equipment.

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
	Masonry 1 872261001	Masonry 3 872263001	Masonry 5 872265001	Industrial Cooperative Education (I.C.E.)
	Masonry 2 872262001	Masonry 4 872264001	Masonry 6 872266002	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 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	Other
	<ul style="list-style-type: none"> • Masonry • Business • Marketing 	<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 	<ul style="list-style-type: none"> • On the job training • Military

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Masonry Tender • Bricklayer Helper 	<ul style="list-style-type: none"> • Apprentice • Business Owner
	<ul style="list-style-type: none"> • Job-site Supervisor or Foreman • Journey person • Quality Control Technician • Superintendent
	<ul style="list-style-type: none"> • Project manager • Mason contractor • Masonry Instructor • Estimator • Business Owner