

Program Strand: Structural Drafting

Students who choose a career in Structural Drafting prepare drawings showing the detail of reinforced concrete, steel, and structural wood. They also are proficient in advanced CADD, advanced map drawings, advanced architectural drawing, and civil drawings.

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	Structural Drafting 5 872555001	Structural Drafting 7 872557001
	Drafting 2 872502003	Drafting 4 872504003	Structural Drafting 6 872556001	Structural Drafting 8 872558001
	Physical Education	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 Drafting Technology providing courses are offered at the school site.
- In addition, students can choose to enroll in Drafting/Illustrative Design Technology and Art Appreciation 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"> • Structural Drafting 	<ul style="list-style-type: none"> • Structural Engineering Technology • Civil 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"> • Blueprint Reader • Drafting Assistant • Cartographic Drafter • Civil Drafter 	<ul style="list-style-type: none"> • Structural Drafter • Structural Engineering Technologist • Civil Engineer