

## 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 <sup>th</sup> grade—Middle Moves 7 <sup>th</sup> grade—Career Preparation Requirement 8 <sup>th</sup> 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 <sup>th</sup> Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
	<b>Drafting 1</b> 872501003	<b>Drafting 3</b> 872503003	<b>Architectural Drafting 5</b> 872545001	<b>Architectural Drafting 7</b> 872547001
	<b>Drafting 2</b> 872502003	<b>Drafting 4</b> 872504003	<b>Architectural Drafting 6</b> 872546001	<b>Architectural Drafting 8</b> 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 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](http://ssr.dadeschools.net/acad_tally_schls.pdf)

Internship Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> <li>• Internship</li> <li>• Job Shadowing</li> <li>• School-Based Enterprise</li> <li>• Service Learning</li> <li>• Dual Enrollment</li> <li>• <a href="#">Portal to CEO</a></li> </ul>	<ul style="list-style-type: none"> <li>• SkillsUSA</li> </ul>	<ul style="list-style-type: none"> <li>• Industry Title &amp; FLDOE OCP's correlated to the individual areas.</li> <li>• 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: <a href="http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm">http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm</a>.</li> <li>• For more information on advanced standing at local public and private post secondary institutions as established per articulation agreements please contact a guidance counselor.</li> </ul>

### 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"> <li>• Drafting</li> </ul>	<ul style="list-style-type: none"> <li>• Architectural Drafting</li> <li>• Civil Technology</li> <li>• Drafting Technology</li> <li>• Architectural Technology</li> </ul>	<ul style="list-style-type: none"> <li>• Architectural Technology</li> <li>• Architecture</li> <li>• Engineering</li> <li>• Mathematics</li> <li>• <a href="#">FIU Department of Construction Management</a></li> <li>• <a href="#">Univ. of North Florida Building Construction Management Dept.</a></li> <li>• <a href="#">Univ. of Florida College of Design, Construction and Planning</a></li> </ul>

### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Blueprint Reader</li> <li>• Drafting Assistant</li> <li>• Structural Engineering Design Drafter</li> <li>• Cartographic Design Drafter</li> <li>• Drafting Detailer</li> <li>• CADD Drafter</li> <li>• CADD Operator</li> <li>• CADD Librarian</li> <li>• Architectural Design Drafter,</li> <li>• Kitchen and Bath Design Drafter</li> </ul>	<ul style="list-style-type: none"> <li>• Architectural Drafter</li> <li>• Architect</li> <li>• Structural Engineer</li> </ul>