

# Academy of Architecture & Construction

## Career Cluster: Architecture & Construction

### Program Strand: Architectural Design

Students who choose a career in Architecture design homes, buildings, landscapes and develop city plans.

#### 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>Architectural Design I 0113300</b>	<b>Architectural Design II 0113310</b>	<b>Architectural Design III 0113320</b>	<b>Portfolio Design I EL ARC X190</b>
	Elective	Architectural Drawing EL ARC X126	Architectural Concepts of Construction EL ARC X210	<b>Portfolio Design II EL ARC X191</b>
	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 Architectural History II EL ARC X702, Architectural Communications EL ARC X115, Design Concepts II EL ARC X213, and Introduction to Architecture/Building Arts EL ARC X211 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>• Cooperative Education</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>• Local School Art Club</li> <li>• Local School Computer Club</li> </ul>	<ul style="list-style-type: none"> <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 about TECH PREP Articulation Agreements with local colleges, please contact your 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>• None known at this time</li> </ul>	<ul style="list-style-type: none"> <li>• Architecture</li> <li>• Drafting</li> <li>• Fine Arts</li> <li>• Visual Arts</li> <li>• <a href="#">Miami Dade College</a></li> <li>• <a href="#">Broward Community College</a></li> <li>• <a href="#">ITT Technical Institute</a></li> </ul>	<ul style="list-style-type: none"> <li>• BA Architecture</li> <li>• BFA Fine Arts</li> <li>• BA Art History</li> <li>• BS Art Education</li> <li>• <a href="#">Florida Atlantic University</a></li> <li>• <a href="#">Florida International University</a></li> <li>• <a href="#">Florida State University</a></li> <li>• <a href="#">University of South Florida</a></li> <li>• <a href="#">University of Florida</a></li> <li>• On the job training</li> <li>• Apprenticeship</li> </ul>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• Drafting Assistant</li> <li>• Freelance Artist</li> <li>• Model Designer</li> <li>• Technical Illustrator</li> <li>• Draftsperson</li> <li>• Surveyor Interior Design</li> <li>• Architecture</li> <li>• Interior Design Assistant</li> <li>• Construction Manager</li> <li>• Contractor</li> <li>• Building Inspector</li> <li>• Urban Planner</li> <li>• Carpenter</li> <li>• Landscape Architect</li> </ul>	<ul style="list-style-type: none"> <li>• Architect</li> <li>• CADD Illustrator</li> <li>• Landscape Architect</li> <li>• Furniture Designer</li> <li>• Mechanical Engineer</li> <li>• Architectural Engineering</li> <li>• Architecture</li> <li>• Architectural Historian</li> <li>• College Professor</li> <li>• Industrial Engineer</li> <li>• Project Manager</li> <li>• Corporate Architect</li> <li>• Architectural Journalist</li> <li>• Civil Engineering</li> <li>• Mechanical Engineering</li> </ul>