

# Academy of Architecture & Construction

## Career Cluster: Architecture & Construction

### Program Strand: Carpentry

Students who choose a career in Carpentry construct, erect, install, and repair structures and fixtures made of wood, wood products, and wood substitutes, such as building frameworks, including partitions, joists, studding and rafters; wood stairways, window and door frames, and hardwood floors, following local building codes.

### Secondary Career Academy Development Timetable Academy classes are listed in bold type.

| Pre-Academy<br>Grades 6 – 8  | Grade 9   | Grade 10  | Grade 11                                  | Grade 12                                  |
|--|---|---|---|---|
| 6 <sup>th</sup> grade—Middle Moves<br>7 <sup>th</sup> grade—Career Preparation Requirement<br>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>Carpentry and Cabinetmaking 1</b><br>872211001 | <b>Carpentry and Cabinetmaking 3</b><br>872213001 | <b>Carpentry 5</b><br>872215001           | <b>Carpentry 7</b><br>872217001           |
|  | <b>Carpentry and Cabinetmaking 2</b><br>872212001 | <b>Carpentry 4</b><br>872214001                   | <b>Carpentry 6</b><br>872216001           | 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](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>• Carpentry</li> <li>• Business</li> </ul> | <ul style="list-style-type: none"> <li>• Business</li> <li>• Civil Engineering</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>• Carpenter Helper</li> <li>• Trim and Finish Carpenter</li> <li>• Rough Carpenter</li> <li>• Form Builder</li> </ul> | <ul style="list-style-type: none"> <li>• Carpenter</li> <li>• Cabinet Maker</li> <li>• Journey person</li> <li>• Supervisor</li> <li>• General Construction Superintendent</li> <li>• Contractor (Own Business)</li> <li>• Civil Engineer</li> </ul> |