

# Academy of Architecture & Construction

## Career Cluster: Architecture & Construction

### Program Strand: Major Appliance and Refrigeration Repair

Students who choose a career in Major Appliances and Refrigeration Repair install, service, and repair many kinds of large gas electrical, and microwave appliances. They may repair refrigerators, ranges, washing machines, hot-water heaters using hand tools.

#### 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>Residential Appliance and Refrigeration Repair 1</b> <b>870601002</b>	<b>Residential Appliance and Refrigeration Repair 3</b> <b>870603002</b>	<b>Residential Appliance and Refrigeration Repair 5</b> <b>870605002</b>	<b>Major Appliance and Refrigeration Repair 7</b> <b>870607001</b>
	<b>Residential Appliance and Refrigeration Repair 2</b> <b>870602002</b>	<b>Residential Appliance and Refrigeration Repair 4</b> <b>870604002</b>	<b>Residential Appliance and Refrigeration Repair 6</b> <b>870606002</b>	<b>Major Appliance and Refrigeration Repair 8</b> <b>870608001</b>
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	Other
<ul style="list-style-type: none"> <li>• EPA Refrigerant Products</li> </ul>	<ul style="list-style-type: none"> <li>• Associate Of Applied Science In Heating, Ventilation, Air-conditioning and Refrigeration Technology</li> </ul>	<ul style="list-style-type: none"> <li>• Heating, Ventilation, Air-Conditioning, and Refrigeration Technology</li> <li>• Electrical Engineering</li> <li>• Electronic Engineering</li> </ul>	<ul style="list-style-type: none"> <li>• On the job training</li> </ul>

#### CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> <li>• A/C Refrigeration &amp; Heating Assistant</li> <li>• Ducting Assistant</li> <li>• Business Owner</li> </ul>	<ul style="list-style-type: none"> <li>• Heating, Ventilation, Air-Conditioning, and Refrigeration Technician</li> <li>• Business Owner</li> <li>• Manager</li> <li>• Supervisor</li> <li>• Electrical Engineer</li> </ul>