

Program Strand: Industrial Design

Students who choose a career in Industrial Design create products for consumers and involve both product design and development while combining their artistic skills with research on product use, marketing materials selection, and production methods.

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 M/J Art Appreciation M/J Graphic Design 1 and 2	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	
		Art 2-D Comprehensive I 010130001 and Art 3-D Comprehensive II 010131001	Sculpture I 011131001	Commercial Art I 011230001	Commercial Art II 011231001
	Elective	Computer Graphics 01033001	Computer Art: Applications to 3-D Design 010333001	Portfolio I (Senior Projects) 010931001	
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 number: Workplace Essentials – 83003101A (Honors .5) and CEO internship – 0500330CE (Honors .5).
- Students may complete more than one program within the Academy of Design providing courses are offered at the school site.
- In addition, students can choose to enroll in above highlighted 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"> • Academy Internship • Cooperative Education • Job Shadowing • School-Based Enterprise • Service Learning • Dual Enrollment • Portal to CEO 		<ul style="list-style-type: none"> • 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 about TECH PREP Articulation Agreements with local colleges, please contact your 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"> • Drafting 	<ul style="list-style-type: none"> • Graphic Design • Interior Design • Art Institute • Digital Media Arts College • Miami Dade College 	<ul style="list-style-type: none"> • Aerospace Engineering • Fashion Design • Industrial Design • Materials Engineering • Mechanical Engineering • Studio Arts 	<ul style="list-style-type: none"> • University of Florida • Florida International University • Florida State University • Ringling College of Art and Design

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Display Designer • Signage Designer 	<ul style="list-style-type: none"> • Product Designer • Staff Designer • Design Instructor • Environmental Designer • Teacher • Aerospace Engineer • Architects • Drafter • Interior Designer • Mechanical Engineer