

TECHNOLOGY

Industrial Design – Even & Odd

Four Year—B.S. Degree

GENERAL AREAS OF SERVICE: Commercial and Industrial Designers combine the fields of art, business, and engineering to design products used every day by businesses and consumers. These designers are responsible for the style, function, quality, and safety of manufactured goods.

Designers will work with engineers, accountants, and cost estimators to determine if the product could be made safer, easier to assemble or use, or cheaper to manufacture. Commercial and industrial designers also work with marketing staff to develop plans to best market the new product or design to consumers. Increasingly, designers are working with corporate strategy staff to ensure their designs fit the company's business plan and strategic vision. This involves designing new products that accurately reflect the company's image and values. It also involves identifying and designing products that best fit consumers' needs before a competitor markets a similar product. Increasingly, designers must focus on creating innovative products in addition to considering the style and technical aspects of the product.

PROFESSIONAL TRAINING: A bachelor's degree in Industrial Design, is required for entry-level positions; however, many commercial and Industrial Designers choose to pursue a master's degree in either Industrial Design or Business Administration.

JOB OUTLOOK: Employment of commercial and industrial designers is expected to grow about as fast as average, increasing 9 to 17 percent, for all occupations through 2014. Designers with strong backgrounds in engineering and computer-aided design, as well as extensive business expertise, may have the best prospects. A good portfolio often is the deciding factor in getting a job.

EARNINGS: In 2006, *Median annual earnings for commercial and industrial designers were \$54,560. The middle 50 percent earned between \$41,270 and \$72,610.

SOURCES OF ADDITIONAL INFORMATION:

Industrial Designers Society of America
45195 Business Court, Suite 250
Dulles, VA 20166-6717
<http://www.idsa.org>

National Association of Schools of Art and Design
11250 Roger Bacon Dr., Suite 21, Reston, VA 20190-5248.
Internet: <http://nasad.arts-accredit.org>

*US Bureau of Labor Statistics
www.bls.gov/oco

Department Chair: Linda Nelson
Academic Advisors: Linda Nelson, Bill Lane

ALL SENIORS MUST TAKE A COMPREHENSIVE EXAM IN THEIR MAJOR FIELD BEFORE GRADUATION—these are exit exams.

() - Parentheses indicates choice of courses

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	AUT	WIN	SPR
	Cr	Cr	Cr
FRESHMAN YEAR			
Design I (ART 161, or 162, or 163)	-	-	3
Intro to Drawing (ART 184)	-	-	2
Fundamentals of CAD (DRFT 120)	2	-	-
Technical Drafting & Design (DRFT 121)	-	2	-
Introduction to Digital Technology (GRPH 135)	1	-	-
Digital Imaging I (GRPH 235)	4	-	-
Graphic Design and Layout (GRPH 255)	-	-	4
Principles of Photography (PHTO 156)	3	-	-
Oxyacetylene Welding and Cutting (TECH 137)	-	2	-
Shielded Metal Arc Welding (TECH 138)	-	-	2
Basic Wood Products, Processes (TECH 220)	2	-	-
Intro to Fine Woodworking (TECH 223)	-	2	-
Fundamentals of Speech Communication (SPCH 101)	-	4	-
College Writing (ENGL 121, 122)	3	3	-
General Studies PE Activity/Electives	1	2	3
General Studies Religion	-	2	3
	16	17	17
SOPHOMORE YEAR			
Intro to Painting I (ART 194)	2	-	-
Industrial Design (INDS 371, 372, 373)	3	3	3
Computer Illustration (GRPH 274)	4	-	-
Intro to Materials and Processes (TECH 235)	-	2	-
Intro to Plastics (Tech 236)	-	-	2
Model Making (INDS 210)	-	-	2
Fabrication and Machining of Metals (TECH 241, 242)	2	2	-
Research Writing (ENGL 223)	-	-	3
Technical/General Electives	-	3	2
General Studies History	4	-	-
Conceptual Physics (PHYS 201, 202)	-	4	4
General Studies P.E. Activity	-	1	-
	15	15	16
JUNIOR YEAR			
Consumer Behavior (MKTG 384)	-	4	-
Occupational Health and Safety (TECH 364)	-	2	-
Intro to Sculpture I (ART 264)	-	2	-
Technical Electives	2	-	-
General Studies History/Finite Math (MATH 105)	4	4	-
General Studies Social Science	-	-	4
General Studies Electives	6	4	4
General Studies Religion	-	-	3
General Studies Humanities	4	-	4
	16	16	15
SENIOR YEAR			
History of World Art (ART 326)	-	-	3
3-D Design I, II, III (GRPH 341, 342, 343)	3	3	3
Portfolio Design (GRPH 492)	-	-	1
Hydraulics and Pneumatics (TECH 326)	-	3	-
Computer Applications in Technology (TECH 335)	3	-	-
Senior Project (TECH 499)	-	-	2
Technical Electives	3	-	3
General Studies Religion (Upper Division)	3	5	-
General Studies/ Electives/Humanities	4	4	6
	16	15	18

Updated 07/31/2008