

Industrial Design, as a discipline, combines product innovation and broadly understood aesthetics. Its subject is creative reconciliation of constraints imposed by ergonomics, functionality, engineering, manufacturability, ecological impact, economics, marketing and other considerations. Such reconciliation leads to unique visual and symbolic attributes of products developed to reflect complex inner orders involved in their origins and purpose. Industrial designers project human values and qualities onto products similarly to architects who shape the human face of buildings.

The Bachelor of Science in Industrial Design curriculum prepares students for diverse careers in this profession. It concentrates on education of the design process, design research and aesthetic theory, professional communication skills, and supporting knowledge of technology and business. It is centered on studio courses that require completion of design projects required for graduation. General Education requirements contribute to development of a broad knowledge of sciences, humanities and other disciplines important for the successful professional.

The Industrial Design Program has over thirty years of tradition at San Jose State and is a leading source of professionals practicing in the San Francisco Bay Area, nationally and internationally. Its faculty comprise both dedicated professional educators as well as practicing professionals excelling in their fields. The curriculum is scheduled for eight semesters and involves continuous interaction with the best consulting and corporate practices in the region and includes sponsored projects and internships.

The program is accredited by the National Association of Schools of Art and Design (NASAD) and recognized by Industrial Designers Society of America (IDSA). The Student Chapter of IDSA is active and provides additional contacts with the profession.

BS Industrial Design Curriculum,
Preliminary for Fall 2000

Recommended Order of Classes

Courses in Art and Design:				Support courses:	General Education:		Units:
Semester:							
1	DSID 31 ID Foundation I	Art 01 Art Intro	DSID 21 Visualization I	Art 12 or 13 2/3D Design	ArtH 70A/C*	Phys 1*	16
		1 unit					
2	DSID 32 ID Foundation II	DSID 32A Portfolio Proj. 1.	DSID 22 Visualization II	Art 24 or 25 Drawing	ArtH 70B*	Phil 57* or 91	17
	2 units	1 unit				2 units	
3	DSID 123 Intermediate ID		DSID 126 Ergonomics	DSGD 99 typography	IndS 120 CAD	GE	GE 18
4	DSID 123 Intermediate ID	DSID 123A Portfolio Proj. 2.	DSID 176 ID in Society		IndS 103 Ind Matls.	GE	GE 16
		1 unit					
5	DSID 125 Advanced ID		DSID 129 ID Comp. Gr.	DSGN 127 Internship	IndS 143 Polymers.	100W	GE 18
6	DSID 125 Advanced ID	DSID 125A Portfolio Proj. 3.	DSID 121 ID Process		Bus 136/ 160	GE	GE 16
		1 unit					
7	DSID 128 Special Project			Des. Elect.**	Bus 130/ 133 / 138	GE	GE 15
8	DSID 128 Special Project	DSID 128A Portfolio Proj. 4.		Des. Elect.**	Phil 110*	GE	GE 16
		1 unit					
						Total units:	132

*** General Education:**

Of the 51 units required by SJSU, 15 may be satisfied by the indicated courses required in the major.

**** Acceptable Design Electives:**

DSID 124, 130, 131, DSIT107, 108, DSGD 102, 104, 105. Other upper division studio courses by prior approval by ID faculty only.

If you plan to take courses in a different order, please check Catalog for prerequisites and/or see ID advisor.

INDUSTRIAL DESIGN MAJORBachelor of Science Degree Unit Distribution 2000-2002 Catalog

General Education.....	36
Of the 51 units required by the University, 15 may be satisfied by specified preparation and supporting courses for the major. Consult major advisor for details.	
Physical Education.....	2
Preparation for the Major.....	19
Art 01 Intro to Study of Art & Design	1
Art 12 2-D Concepts	
<u>or</u>	
Art 13 3-D Concepts	3
Art 24 Beginning Drawing	
<u>or</u>	
Art 26 Representational Drawing	3
ArtH 70B Renaissance to Modern	3
ArtH 70A <u>or</u> 70C Prehistoric to Medieval	
<u>or</u> Art of Asia	3
Phil 9 <u>or</u> 57 Math/Logic <u>or</u> Logic and	
Critical Reasoning	3
Phys 1 Elementary Physics	3
Requirements in the Major.....	57
<u>Prerequisites for Admission to the Major (15)</u>	
DsID 21 Visualization 1	3
DsID 22 Visualization 2	3
DsID 31 Industrial Design Foundation	3
DsID 32 Industrial Design Foundation	2
DsID 32A Portfolio Project 1	1
DsGD 99 Introduction to Typography	3
<u>Upper Division Requirements (42)</u>	
DsID 121 ID Process	3
DsID 123 Intermediate Industrial Design	6
DsID 123A Portfolio Project 2	1
DsID 125 Advanced Industrial Design	6
DsID 125A Portfolio Project 3	1
DsID 126 Ergonomics for Industrial Design	3
DsGN 127 Internship	3
DsID 128 Advanced Projects in Industrial Design	6
DsID 128A Portfolio Project 4	1
DsID 129 Computer Graphics/Industrial Design	3
DsID 176 Design in Society	3
Six units from:	6
DsGD 102 Intermediate Typography	
DsGD 104 Introduction to Graphic Design	
DsGD 105 Intermediate Graphic Design	
DsID 124 Transportation Design	
DsID 130 Advanced Computer Graphics for Industrial Design	
DsID 131 Interactive and Interface Design	
DsIT 107 Furniture Design	
DsIT 108 Lighting Design	
<u>Support for the Major.....</u>	18
Bus 130 Introduction to Marketing	3
Bus 160 Introduction to Org. & Management	3
Tech 103 Industrial Materials	3
Tech 120 Industrial Graphic Systems	3
Tech 143 Industrial Polymers Technology	3
Phil 110 Science, Technology + Human Values	3
Total.....	132

RECOMMENDED GENERAL EDUCATION

Biol	21	Human Biology	
Phys	107	20th Century Physics	
Biol	54	Basic Human Anatomy and Physiology	
CybS/Edit	15	Computer Application for Quantitative Reasoning	
Phil	10	Introduction to Philosophy	
Phil	57	Logic and Critical Reasoning	
Phil	61	Moral Issues	
Phil	91		Math and Logical Concept
Phil/AJ/Bus	116PB	Professional Business Ethics	
Psych	1	General Psychology	

01/00

Industrial Design Portfolio Review

Students who plan to enter the upper division Bachelor of Science, Industrial Design major, must submit a portfolio for review by the Industrial Design faculty. Typically, a student applies to the Industrial Design major when he/she is at the end of his/her fourth semester and is enrolled in the last three lower division “prerequisite for admission to the major” courses (Dsid 32, ID Foundation 2, Dsid 32A, Portfolio Project 1, and Dsid 22, Visualization 2).

Reviews are limited to students who are currently enrolled at SJSU, and are held during finals week in December and May. Students are rated on skill and design ability; submissions are composed of both two-dimensional and three-dimensional work from Dsid 21 and 22, Visualization 1 and 2; Dsid 31 and 32, ID Foundation 1 and 2; and, Tech 120, Industrial Graphics Systems (Drafting/CAD). A copy of the student’s transcript is included in the portfolio. Applicants learn of their acceptance status by the Faculty Review Committee at the end of their review session, and by an official letter from the Associate Director for Design. Students who pass the review then change their major from BA: Art to BS: Industrial Design.

In addition to the above review, Industrial Design Majors also have reviews at the end of their junior and senior years, and again before graduation. Students who enter the program with a “conditional” admittance must show his/her portfolio during the regular review periods in the semester following their conditional acceptance. Failure to clear the “conditional” status as scheduled causes a loss of such status and equals failing the original review.