

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.

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**Major Form  
BS Industrial Design**

2001-2002 Catalog

Name \_\_\_\_\_

Social Security Number \_\_\_\_\_

Major **BS Industrial Design**

Portfolio Review Date \_\_\_\_\_

Minor \_\_\_\_\_

If a course was completed at another college, please indicate the college and the course prefix and number in the space provided.

Preparation for the Major (19 units)	Units	Grade
Art 01 _____	1	_____
Art 12 or 13 _____	3	_____
Art 24 or 26 _____	3	_____
ArtH 70B _____	3	_____
ArtH 72 _____	3	_____
Phil 9 or 57 _____	3	_____
Phys 1 _____	3	_____

Prerequisites for Admission to the Major (15 units)	Units	Grade
DsID 21 _____	3	_____
DsID 22 _____	3	_____
DsID 31 _____	3	_____
DsID 32 _____	2	_____
DsID 32A _____	1	_____
DsGD 99 _____	3	_____

Support for the Major (18 units)	Units	Grade
Bus 130 _____	3	_____
Bus 160 _____	3	_____
Tech 103 _____	3	_____
Tech 120 _____	3	_____
Tech 143 _____	3	_____
Phil 110 _____	3	_____

Upper Division Requirements (42 units)	Units	Grade
DsID 121 _____	3	_____
DsID 123 _____	6	_____
DsID 123 A _____	1	_____
DsID 125 _____	6	_____
DsID 125 A _____	1	_____
DsID 126 _____	3	_____
DsID 128 _____	6	_____
DsID 128 A _____	1	_____
DsID 129 _____	3	_____
DsID 176 B _____	3	_____
DsGN 127 _____	3	_____
<b>Complete six units from the following courses:</b> DsGD 102, DsGD 104, DsGD 105, DsID 124, DsID 130, DsID 131 DsIT 107, DsIT 108		
_____	3	_____
_____	3	_____

**Graduation Checklist**

General Education*	36 units
Physical Education	2 units
Art and Design Requirements	94 units
Upper Division Writing Requirement completed	<input type="checkbox"/>

**Total Units Required to Graduate: 132 units\*\***

Bring Major Form to Design Program Office for signature of Associate Director.

\*Of the 51 units required by the university, 15 may be satisfied by specified major and support requirements. Consult major advisor for details.

\*\*Successful completion of the program outlined on this form does not ensure graduation unless student meets General Education and all other requirements of the University.

Substitute \_\_\_\_\_ for \_\_\_\_\_ Initials \_\_\_\_\_ Date \_\_\_\_\_

Substitute \_\_\_\_\_ for \_\_\_\_\_ Initials \_\_\_\_\_ Date \_\_\_\_\_

Substitute \_\_\_\_\_ for \_\_\_\_\_ Initials \_\_\_\_\_ Date \_\_\_\_\_

Substitute \_\_\_\_\_ for \_\_\_\_\_ Initials \_\_\_\_\_ Date \_\_\_\_\_

Checked by Major Advisor \_\_\_\_\_ Date \_\_\_\_\_

Checked by Associate Director, Design \_\_\_\_\_ Date \_\_\_\_\_

**BS Industrial Design Curriculum,**  
Preliminary for Fall 2000

Recommended Order of Classes

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

**\* 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.**