# SCHOOL OF DESIGN Advising Contract for BSID: Bachelor of Science in Industrial Design

## Concentration in Product Design & Development (59 units)

### FOUNDATION REQUIREMENTS 6 units (Required)
- DES 200 VISUAL DESIGN LITERACY (3)  
  (Select one of the following)
- DES 221 INTRODUCTION TO 3-D DESIGN (3)  
  or
- DES 222 INTRODUCTION TO 2-D DESIGN (3)

### CORE COURSES 13 units (Required)
- DES 356 HISTORY OF DESIGN AND TECHNOLOGY (3)
- DES 370 INTRODUCTION TO DESIGN (1)
- DES 322 COMPUTER GRAPHIC IMAGING (3)
- DES 300 DESIGN PROCESS (3)
- DES 324 RESEARCH AND WRITING FOR DESIGN (3)

### MAJOR REQUIREMENTS 28 units
- DES 505 SENIOR DESIGN PROJECT (3)  
  (these classes cannot be substituted)
- DES 570 PROFESSIONAL PRACTICES FOR DESIGN (3)  
  (these classes cannot be substituted)

### MAJOR ELECTIVES 6 units
- (Select at least 2 of the following. At least 3 units must be non-DES 576/685/699 coursework)
- DES 210 OUR MANUFACTURED WORLD (3)
- DES 256 DESIGN AND SOCIETY (3)
- DES 332 ELECTRICITY AND ELECTRONICS (3)
- DES 475 TOPICS IN DESIGN (3)
- DES 448 UX DESIGN (3)
- DES 510 PRODUCT DESIGN 3 (3)
- DES 521 TECHNICAL DRAWING 3: ADVANCED MODELING AND RENDERING (3)
- DES 560 PROTOTYPING SMART DEVICES (3)
- DES 576 PRACT EXPR: INTERNSHIP (3)
- DES 685 PROJECTS IN THE TEACHING OF DESIGN (3)
- DES 699 INDEPENDENT STUDY IN DESIGN (3)
- OTHER ELECTIVE BY ADVISEMENT (See page 2)

### CULMINATING REQUIREMENT (6 units)
- DES 520 TECHNICAL DRAWING 2: 3-D SOLID MODELING (3)
- DES 460 RAPID PROTOTYPING AND MANUFACTURING SYSTEMS (3)

**Total for Major = 59 UNITS**

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**Substitutions**

- This course may not be substituted
- This course may not be substituted
- This course may not be substituted
- This course may not be substituted
- This course may not be substituted

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**Name:**  
**Email:**  
**Phone #:**  
**Address:**  
**City, State. Zip:**  
**Student ID #:**

### Notes:
- Any class changes or substitutions must be discussed with and approved by your DES advisor. This document is the only record of your officially approved course substitutions and approved non-SFSU electives, so it's important that you keep it up to date.
- Any roadmap changes must be finalized before the semester you plan to graduate.
- Your advisor will submit requests for any substitutions to reflect on your DPR.
- If completed major courses do not appear on your Degree Progress Report (DPR) under the B.S. in Industrial Design section, meet with an advisor.
- You and your advisor will sign. After signing, email a copy to design@sfsu.edu and keep a digital copy for meetings with your advisor and to prove to other course instructors any non-SFSU prerequisites that have been approved by your DES advisor.

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**Signature of Student / Date**

**Signature of Advisor / Date**

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**Contract Version: Fall 2023**
Note: only DES courses are automatically counted as electives on your DPR. Work with your Advisor to ensure that classes taken in other departments are counted in your DPR. Classes below are suggested electives, but others are also possible. Work with your Advisor to choose your electives inside or outside of DES.

### Foundation Classes (6 units)
- **200** Visual Design Literacy (3)
- **221** Introduction to 3D Design (3) or **222** Introduction to 2D Design (3)

### First Semester in Major (16 units)
- **GE** Upper-Division GE 1 (3) (UD-B or D)
- **305** Lab Safety Basics (1)
- **356** History of Design (3) UD GE-C (3)
- **370** Introduction to Design (3)
- **320** Drafting & Sketching for Design (3)
- **321** Technical Drawing 1 (3) SolidWorks

### Second Semester (15–16 units)
- **300** Design Process (3)
- **310** Product Design 1 (3)
- **322** Computer Graphics Imaging (3)
- **340** Design and Materials (3)
- **324** Research & Writing for Design (3) or **324** Research & Writing for Design (3)
- **410** Product Design 2 (3)
- **420** Rapid Visualization (3)

### Third Semester (15 units)
- **GE** Upper-Division GE 2 (3) (UD-B or D)
- **360** Model Development Lab (3)
- **421** Technical Drawing 2: SolidWorks
- **340** Design and Materials (3) or **340** Design and Materials (3)
- **410** Product Design 2 (3)
- **420** Rapid Visualization (3)

### Fourth Semester (15 units)
- **570** Professional Practice (3)
- **DES** Elective
- **DES** Elective
- **460** Rapid Prototyping Systems (3)
- **505** Senior Design Project (3)

### Other Elective Options

Note: only DES courses are automatically counted as electives on your DPR. Work with your Advisor to ensure that classes taken in other departments are counted in your DPR. Classes below are suggested electives, but others are also possible. Work with your Advisor to choose your electives inside or outside of DES.

- DES 325 Graphic Design I (3)
- DES 327 Interactive Design 1 (3)
- ID 300 Designers of the 20th/21st Centuries (3)
- ID 343 Housing for People with Special Needs (3)
- PCS 543 Sustainability in the Textile, Housing, & Food Inds. (GE) (3)
- ART 240 Introduction to Contemporary Sculpture (GE) (3)
- ART 245 Ceramics 1 (GE) (3)
- ART 619 Exhibition Design (3)
- THA 305 Design Graphics for Stage and Screen (3)
- IBUS 841 Creativity for Managers: A Global Perspective (3)
- MKTG 431 Introduction to Marketing
- MKTG 633 Consumer Behavior (3)
- MKTG 675 Brand Management (3)
- MKTG 688 New Product Management Seminar (3)
- MKTG 689 New Product Marketing and Launch (3)
- ANTH 315 Regional Ethnography (3)
- ANTH 555 Urban Anthropology (3)
- MGMT 405 Intro. to Management & Organizational Behavior (3)
- MGMT 650 Creativity and Innovation (3)
- PSY 463 Human Factors (3)
- HUM 301 Form and Culture (3)
- HUM 303 History and Culture (3)
- HUM 425 Thought and Image: Humanities (3)
- BUS 450 Greening of Business (3)
- GEOG 421 Future Environments (GE) (3)
- GEOG 600 Environmental Problems & Solutions (GE) (3)
- GEOG 666 Geography of Garbage: Recycle & Waste Reduction (GE) (3)
- USP 514 Sustainable Development in Cities (GE) (4)

**Legend**

- **Required**
- **Elective**

**Rules**

All class changes/substitutions must be approved/signed by your advisor and the department director one semester before graduation. All DES majors must complete a minimum of 24 DES units in residence. Keep a copy of your contract for your reference.

**Total BSID:**

- **59 Units** BSID Concentration in Product Design
- **120 Units** Total Units For Graduation from SFSU