

**CORE PREPREGUISITES 7 units**

- DES 323 VISUAL DESIGN LITERACY (3) \_\_\_\_\_
- DES 356 HISTORY OF DESIGN AND TECHNOLOGY (3) \_\_\_\_\_
- DES 370 INTRODUCTION TO DESIGN (1) \_\_\_\_\_

**CORE FOUNDATION 12 UNITS**

- DES 300 DESIGN PROCESS (3) \_\_\_\_\_
- DES 320 DRAFTING AND SKETCHING FOR DESIGN (3) \_\_\_\_\_
- DES 322 COMPUTER GRAPHIC IMAGING (3) \_\_\_\_\_
- DES 324 RESEARCH AND WRITING FOR DESIGN (3) \_\_\_\_\_

**BASIC REQUIREMENTS 6 UNITS**

- PHYS 101 CONCEPTUAL PHYSICS (3) \_\_\_\_\_
- MKTG 431 PRINCIPLES OF MARKETING **OR** \_\_\_\_\_
- MKTG 434 ADVERTISING THEORY AND PRACTICE (3) \_\_\_\_\_

**CONCENTRATION REQUIREMENTS 25 units**

- DES 305 LAB SAFETY BASICS (1) **take as soon as possible** \_\_\_\_\_
- DES 310 PRODUCT DESIGN 1 (3) \_\_\_\_\_
- DES 321 TECHNICAL DRAWING 1: INTRODUCTION TO CAD (3) \_\_\_\_\_
- DES 340 DESIGN AND MATERIALS (3) \_\_\_\_\_
- DES 360 MODEL DEVELOPMENT LABORATORY (3) \_\_\_\_\_
- DES 410 PRODUCT DESIGN 2 (3) \_\_\_\_\_
- DES 420 RAPID VISUALIZATION (3) \_\_\_\_\_
- DES 421 TECHNICAL DRAWING 2: 3-D SOLID MODELING (3) \_\_\_\_\_
- DES 460 RAPID PROTOTYPING AND MANUFACTURING SYSTEMS (3) \_\_\_\_\_

**CONCENTRATION ELECTIVES 6 units**

(Select at least 2 of the following. At least 3 units must be non-DES 699/576 coursework)

- DES 210 INDUSTRIAL SCIENCE (3) \_\_\_\_\_
- DES 256 DESIGN AND SOCIETY (3) \_\_\_\_\_
- DES 332 ELECTRICITY AND ELECTRONICS (3) \_\_\_\_\_
- DES 330 INDUSTRIAL DESIGN OUTREACH (3) \_\_\_\_\_
- DES 510 PRODUCT DESIGN 3 (3) \_\_\_\_\_
- DES 521 TECHNICAL DRAWING 3: ADVANCED MODELING AND RENDERING (3) \_\_\_\_\_
- DES 560 PROTOTYPING SMART DEVICES (3) \_\_\_\_\_
- DES 524 INFORMATION DESIGN 2: EXHIBIT DESIGN (3) \_\_\_\_\_
- DES 699 INDEPENDENT STUDY OR DES 576 PRACT EXPR: INTERNSHIP (3) \_\_\_\_\_
- OTHER ELECTIVE BY ADVISEMENT \_\_\_\_\_

**CULMINATING REQUIREMENT (3 units) [TAKEN LAST SEMESTER]**

- DES 505 SENIOR DESIGN PROJECT (3) \_\_\_\_\_ This course may not be substituted

**Name:** \_\_\_\_\_

**Email :** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City, State. Zip:** \_\_\_\_\_

**Student ID #:** \_\_\_\_\_

**All class changes or substitutions must be approved and signed by your advisor and the School of Design Director one semester before graduation. A copy of this contract will be emailed to you after each director approval and the signed original placed in your student folder. Please keep your digital copy or a printout of it with you for meetings with your advisor or to show instructors to prove non-SFSU prerequisites, etc. Note that 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.**

\_\_\_\_\_  
Signature of Student / Date

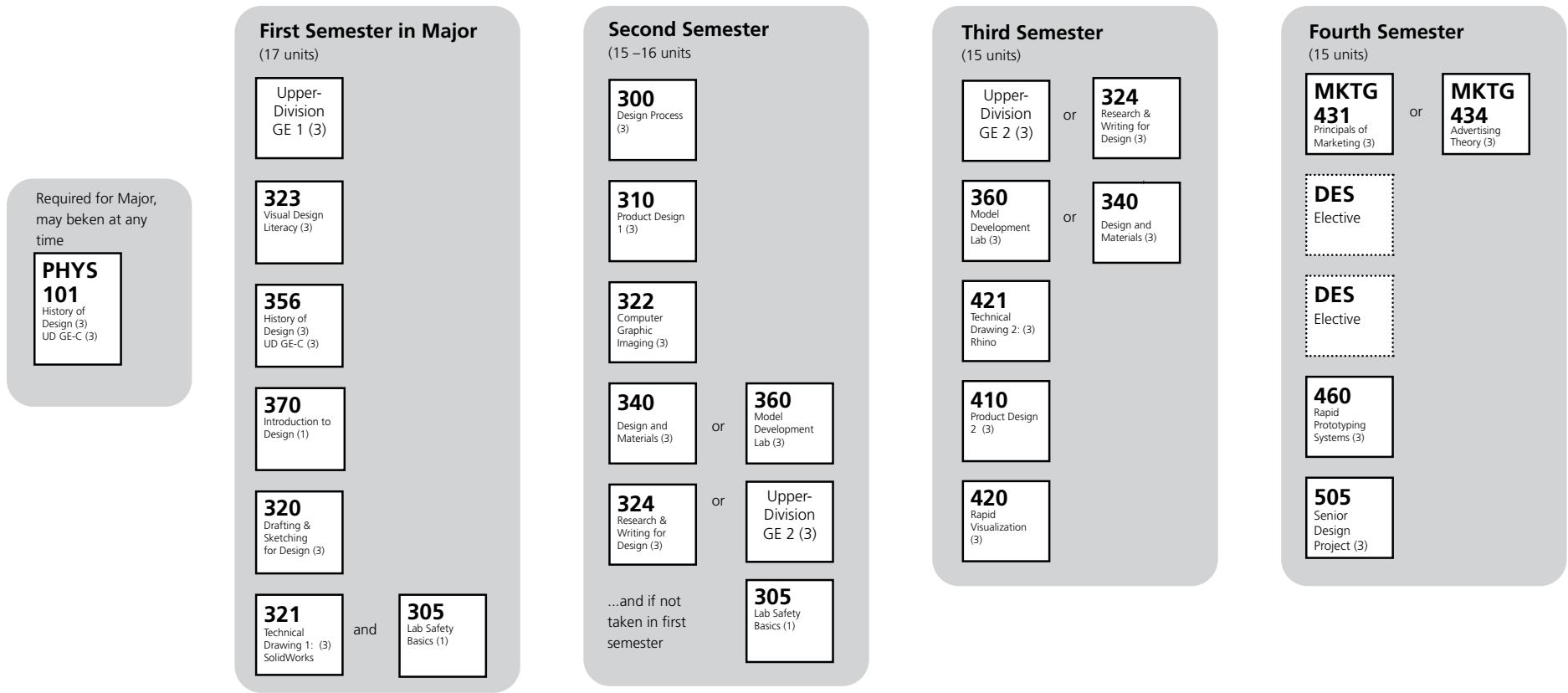
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Signature of Advisor / Date

\_\_\_\_\_  
Signature of School of Design Director / Date

**Total for Major = 59 UNITS**

# BACHELOR OF SCIENCE IN INDUSTRIAL DESIGN: Concentration in Product Design and Development (59 units)

**Suggested Course Sequence** (note, depending on course availability, this schedule will have to be adjusted. work with your advisor if you need to adjust this recommended schedule)



## Legend



Required



Elective

## Rules

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

**Total BSID Concentration in Product Design and Development: 59 Units**

**Total GE Units: 48 Units**

**Total Units For Graduation from SFSU: 120 Units**

## Other Elective Options

**DES 325 Graphic Design 1: Introduction (3)**

**DES 327 Interactive Design 1 (3)**

**DES 523 Information Design 1: Data Visualization (3)**

ID 300 Designers of the 20th/21st Centuries (3)

ID 343 Housing for People with Special Needs (3)

CFS 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)

TH A 305 Design Graphics for Stage and Screen (3)

ENGR 100 Introduction to Engineering (1)

ENGR 101 Engineering Graphics (1)

IBUS 841 Creativity for Managers: A Global Perspective (3)

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)

HUM 510 Comparative Form and Culture (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: Recycl & Waste Reduction (GE) (3)

USP 514 Sustainable Development in Cities (GE) (4)