

# BS checklist

# Bachelor of Science in Industrial Design

## ADMISSION REQUIREMENTS

Admission into the ID major will be selective & competitive. Students must first be admitted into SADAH through its regular portfolio review process. Declaration of ID as a major & completion of lower-division (100-200) prerequisite art courses does not guarantee admission into the program. Admission to upper-division INDU studio courses is based on successful completion of all prerequisite courses & merit as determined by a faculty review of portfolio of the course INDU 208: Portfolio Review. INDU 200 & INDU 202 are open to all SADAH majors, but students will be restricted from taking any advanced-level INDU studio courses until INDU 208 has been taken & passed.

INDU 208 - Portfolio Review, is a 0 credit, pass/fail course that functions as a prerequisite to enrollment in all upper-level industrial design courses. Students should enroll in INDU 208 during the semester following completion of GRPH 202, INDU 200, INDU 202, INDU 220, & INDU 380 (or concurrently with INDU 220 & INDU 380). Students not accepted will have one opportunity to reapply or may choose to continue in another major within the SADAH.

## DEGREE REQUIREMENTS

□ General Education Courses <sup>1</sup>	41
□ Quantitative Requirement <sup>2</sup> (in addition to General Education courses)	3
□ Scientific Literacy Requirement (in addition to General Education courses)	3
□ Major requirements (listed on back)	78

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Total Credit Hours: 125<sup>3</sup>

1- The General Education program contains a set of requirements each student must fulfill. The number of credit hours necessary to fulfill these requirements may vary.

2- Quantitative requirements may be double-counted with elective coursework in the major. Check with your adviser.

3- Students can double count up to 2 courses, thus reducing the total credit hours to 119. Those students will need to enroll in 1 additional credit hour to reach the university minimum requirement of 120 credit hours.

## RECOMMENDED SCHEDULE

<b>First Year</b>	
General Education	12
Quantitative Requirement	3
Art Foundations (ART 102, 104, 106)	9
Art History (ARTH 205, 206)	6
<b>Total</b>	<b>30</b>
<b>Second Year</b>	
General Education	12
INDU 200. Introduction to Industrial Design	6
INDU 202. Industrial Design Studio	6
INDU 208. Portfolio Review	0
INDU 220. CAD I: 3D Modeling	3
INDU 380. Materials and Processes	3
<b>Total</b>	<b>30</b>
<b>Third Year</b>	
General Education	9
Scientific Literacy	3
Advanced Studio	6
Advanced Studio	6
Art and Design Elective	3
Interdisciplinary Elective	3
<b>Total</b>	<b>30</b>
<b>Fourth Year</b>	
General Education	9
Advanced Studio	6
Advanced Studio	6
Art and Design Elective	3
Interdisciplinary Elective	6
<b>Total</b>	<b>30</b>

# INDUSTRIAL DESIGN MAJOR REQUIREMENTS:

The industrial design major requires 78 credit hours in design, art, art history and art-related courses. Of these hours, 42 credits must be in INDU courses.

## FOUNDATION COURSES:

(15 credits)

- ART 102. Two-Dimensional Design (3)
- ART 104. Drawing I (3)
- ART 106. Three-Dimensional Design (3)
- ARTH 205. Survey of World Art I: Prehistoric to Renaissance (3)
- ARTH 206. Survey of World Art II: Renaissance to Modern (3)

## ART & DESIGN ELECTIVES:

(6 credits)

- \_\_\_\_\_
- \_\_\_\_\_

**Recommended Courses:** Ceramics: ART 220, 222; Fibers: ART 230; Metals & Jewelry: ART 240; Photography: ART 260; Printmaking: ART 270, 272, 274; Sculpture: ART 280; Figure Drawing: ART 350; GRPH 206: Intro. to Typography; Architectural Design: ARCD 392; Industrial Design: INDU 390, 392, 492, 490

## CONCENTRATION COURSES

**(REQUIRED) (21 credits)**

- INDU 200. Introduction to Design (6) - **FALL ONLY**
- INDU 202. Industrial Design Studio (6) - **SPRING ONLY**
- INDU 208. Portfolio Review (0)
- INDU 220. CAD 3D Modeling (3)
- INDU 380. Materials & Processes (3)
- GRPH 101. Digital Media Design I (3)

## CONCENTRATION COURSES

**(ELECTIVES) (24 credits)**

Courses may be repeated with instructor permission. Students also have the option of enrolling by permission via an application process in a "swing-studio" experience, which may be one 6-credit hour studio in ARCD or the equivalent 6-credit concentration in another SADAH studio discipline approved in advance by the INDU program coordinator. Art & design elective courses completed for the INDU major may not be double-counted as the swing-studio experience taken for the INDU major).

- INDU 300. Product Design (6)
- INDU 302. Transportation (6)
- INDU 400. Systems & Services (6)
- INDU 402. Social Innovation & Social Entrepreneurship (6)
- INDU 404. Advanced Special Topics Studio (6)
- INDU 406. Senior Thesis Studio (Proposal & Instructor Permission Required) (6)
- INDU 408. Swing-Studio Option (Proposal & Instructors' Permission Required) (6)

## ART HISTORY (300 LEVEL)

(3 credits)

- ARCD 303. History of Design (required) (3)

## INTERDISCIPLINARY ELECTIVES:

(9 credits, 3 from each of the following categories)

### Society & Culture<sup>1</sup>

(3 credits)

- ANTH 195. Intro to Cultural Anthropology (3)
- ANTH 205. Buried Cities, Lost Tribes: The Rise & Fall of Early Human Societies (3)
- ANTH 323. Visual Anthropology (3)
- SOCI 260. Sociology of Culture (3)
- SOCI 311. Sociology of Environment (3)
- SOCI 315. Science, Technology & Society (3)
- SOCI 337. Sociology of Gender (3)

### Engineering & Technology<sup>2,3</sup>

(3 credits)

- ENGR 231. Engineering Design I (2)
- ENGR 232. Engineering Design II (2)
- ENGR 280. Projects in Engineering (1-4)
- ENGR 498. Innovation (3)
- ENGR 498. Realization (3)
- ENGR 498. Human Centered Design (3)
- ENGR 498. Innovation Exchange (3)
- ENGR 498. Systems Design & Placemaking (3)
- ENGR 480. Projects in Engineering (1-4)
- ISAT 211. Modern Production Issues in Science & Technology (3)
- ISAT 330. Manufacturing Systems: Technology & Techniques (3)

### Business, Marketing & Entrepreneurship

(3 credits)

- COB 218. Legal Environment of Business (3)
- MKTG 380. Principles of Marketing (3)
- MGT 305. Topics in Management (3)
- MGT 472. Venture Creation (3)

Student Name \_\_\_\_\_

ID #: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

1- May fulfill the B.S. Natural/Social Science requirement

2- Students selecting ENGR electives must have approval from the course instructor and the INDU Advisor.

3- ENGR 498 electives must have the exact title as listed on the checklist